AUTHOR INDEX

VOLUME 33 NUMBERS 1-12

A

Abbey, Mavis. See *Nestel et al.* 1029
Abumrad, Nada A. See *Melki and Abumrad* 669
Acquotti, Domenico. See *Sonnino et al.* 1221
Aggarwal, Suresht K. See *Batta et al.* 1403
Agnani, G. See *Leroy et al.* 889
Ågren, J. J., A. Julkunen, and I. Penttilä. Rapid separation of serum lipids for fatty acid analysis by a single aminopropyl column 1871
Ahrendt, Steven A. See *Booker et al.* 1485
Åkerlund, Jan-Erik. See *Einarsson et al.* 1591
Alsayed, Naji. See *Parrott et al.* 361
Ameis, Detlev. See *Sprecher et al.* 859
Amin, Dilip, Susan A. Cornell, Susan K. Gustafson, Saul J. Needle, John W. Ullrich, Glenda E. Bilder, and **Mark H. Perrone.** Bisphosphonates used for the treatment of bone disorders inhibit squalene synthase and cholesterol biosynthesis 1657
Anantharamaiah, G. M. See *Jones, Anantharamaiah, and Segrest* 287
———. See *Segrest et al.* 141
Andreini, Jeffrey P. See *Gebhard et al.* 1459
Andres, David W. See *Rainwater et al.* 1876
Appel, Gerald B. See *Moulin et al.* 1817
Arad, Yadon. See *Rumsey et al.* 1551
Arbeeny, Cynthia M., Daniel S. Meyers, Kristin E. Bergquist, and **Richard E. Gregg.** Inhibition of fatty acid synthesis decreases very low density lipoprotein secretion in the hamster 843
Ariga, Toshio. See *Pal et al.* 411
Arthur, Gilbert. See *Zhou and Arthur* 1233
Auwerx, Johan. See *Staels et al.* 727
Ayrault-Jarrier, M. See *Domingo et al.* 1419
Ayyad, Nariman. See *Miki et al.* 1629

B

Barkia, A. See *Leroy et al.* 889
Barrett, P. Hugh R. See *Krul et al.* 1037
Barter, Philip J. See *Rye, Garrety, and Barter* 215
Bass, H. See *McConathy et al.* 995
Batta, Ashok K., Suresht K. Aggarwal, Renu Mirchandani, Sarah Shefer, and **Gerald Salen.** Capillary gas-liquid chromatographic separation of bile alcohols 1403
———. See *Shefer et al.* 1193
Beenakkers, A. M. T. See *Weers et al.* 485
Bekaert, E. D. See *Domingo et al.* 1419
Bellet, Paul S. See *Sprecher et al.* 859
Belling, Bryan. See *Nestel et al.* 1029
Ben-Mlih, Fouad, Jean-Claude Marty, and **Aline Fiala-Medioni.** Fatty acid composition in deep hydrothermal vent symbiotic bivalves 1797
Benson, Merrill D. See *Rader et al.* 755
Bentsianov, Vitaly. See *Ruotolo et al.* 1541
Bentzen, Craig L. See *Maechler et al.* 1475
Berg, Trond. See *Nenseter et al.* 867
Bergquist, Kristin E. See *Arbeeny et al.* 843
Bernini, Franco. See *Roma et al.* 819
Berr, Frieder. Characterization of chylomicron remnant clearance by retinyl palmitate label in normal humans 915
Bertulli, Stefano M. See *Roma et al.* 819
Beynen, A. C. See *Meijer et al.* 281
Bielicki, John K., William J. Johnson, Richard B. Weinberg, Jane M. Glick, and **George H. Rothblat.** Efflux of lipid from fibroblasts to apolipoproteins: dependence on elevated levels of cellular unesterified cholesterol 1699
Bilder, Glenda E. See *Amin et al.* 1657
Bishop, Richard W. Structure of the hamster low density lipoprotein receptor gene 549
Björkhem, Ingemar. Mechanism of degradation of the steroid side chain in the formation of bile acids 455
———. See *Einarsson et al.* 1591
Björnsson, O. G., J. D. Sparks, C. E. Sparks, and **G. F. Gibbons.** Prostaglandins suppress VLDL secretion in primary rat hepatocytes: relationships to hepatic calcium metabolism 1017
Black, Donald M. See *Sprecher et al.* 859
Blanche, Patricia J. See *Rainwater et al.* 1876
Blanchette-Mackie, E. Joan. See *Masuno et al.* 1343
Blanco-Vaca, Francisco, David P. Via, Chao-yuh Yang, John B. Massey, and **Henry J. Pownall.** Characterization of disulfide-linked heterodimers containing apolipoprotein D in human plasma lipoproteins 1785
Bocos, Carlos. See *Contreras et al.* 931
Boersma, Wim J. A. See *Gerritse et al.* 273
Boguski, Mark S. Computational sequence analysis revisited: new databases, software tools, and the research opportunities they engender 957
Bojesen, Eigil. See *Bojesen and Bojesen 1327*
Bojesen, Inge N., and **Eigil Bojesen.** Water-phase palmitate concentrations in equilibrium with albumin-bound palmitate in a biological system 1327
Bonelli, Frank S., and **Ana Jonas.** Continuous fluorescence assay for lecithin:cholesterol acyltransferase using a water-soluble phosphatidylcholine 1863
Booker, Michael L., Wayne W. LaMorte, Steven A. Ahrendt, Keith D. Lillemoe, and **Henry A. Pitt.** Distribution of phosphatidylcholine molecular species between mixed micelles and phospholipid-cholesterol vesicles in human gallbladder bile: dependence on acyl chain length and unsaturation 1485
Booth, Laura. See *Lichtenstein et al.* 907
Bownes, Mary. Why is there sequence similarity between insect yolk proteins and vertebrate lipases? 777
Boyles, Janet K. See *Handelmann et al.* 1677
Bradley, Roger. See *Ryan et al.* 55
Brewer, H. Bryan, Jr. See *Lohse et al.* 1583
———. See *Rader et al.* 755
Brewer, H. Bryan, III. See *Lohse et al.* 1583
Brogan, Michael. See *Singh et al.* 1597

AUTHOR INDEX

VOLUME 33 NUMBERS 1-12

A

Abbey, Mavis. See *Nestel et al.* 1029
Abumrad, Nada A. See *Melki and Abumrad* 669
Acquotti, Domenico. See *Sonnino et al.* 1221
Aggarwal, Suresht K. See *Batta et al.* 1403
Agnani, G. See *Leroy et al.* 889
Ågren, J. J., A. Julkunen, and I. Penttilä. Rapid separation of serum lipids for fatty acid analysis by a single aminopropyl column 1871
Ahrendt, Steven A. See *Booker et al.* 1485
Åkerlund, Jan-Erik. See *Einarsson et al.* 1591
Alsayed, Naji. See *Parrott et al.* 361
Ameis, Detlev. See *Sprecher et al.* 859
Amin, Dilip, Susan A. Cornell, Susan K. Gustafson, Saul J. Needle, John W. Ullrich, Glenda E. Bilder, and **Mark H. Perrone.** Bisphosphonates used for the treatment of bone disorders inhibit squalene synthase and cholesterol biosynthesis 1657
Anantharamaiah, G. M. See *Jones, Anantharamaiah, and Segrest* 287
———. See *Segrest et al.* 141
Andreini, Jeffrey P. See *Gebhard et al.* 1459
Andres, David W. See *Rainwater et al.* 1876
Appel, Gerald B. See *Moulin et al.* 1817
Arad, Yadon. See *Rumsey et al.* 1551
Arbeeny, Cynthia M., Daniel S. Meyers, Kristin E. Bergquist, and **Richard E. Gregg.** Inhibition of fatty acid synthesis decreases very low density lipoprotein secretion in the hamster 843
Ariga, Toshio. See *Pal et al.* 411
Arthur, Gilbert. See *Zhou and Arthur* 1233
Auwerx, Johan. See *Staels et al.* 727
Ayrault-Jarrier, M. See *Domingo et al.* 1419
Ayyad, Nariman. See *Miki et al.* 1629

B

Barkia, A. See *Leroy et al.* 889
Barrett, P. Hugh R. See *Krul et al.* 1037
Barter, Philip J. See *Rye, Garrety, and Barter* 215
Bass, H. See *McConathy et al.* 995
Batta, Ashok K., Suresht K. Aggarwal, Renu Mirchandani, Sarah Shefer, and **Gerald Salen.** Capillary gas-liquid chromatographic separation of bile alcohols 1403
———. See *Shefer et al.* 1193
Beenakkers, A. M. T. See *Weers et al.* 485
Bekaert, E. D. See *Domingo et al.* 1419
Bellet, Paul S. See *Sprecher et al.* 859
Belling, Bryan. See *Nestel et al.* 1029
Ben-Mlih, Fouad, Jean-Claude Marty, and **Aline Fiala-Medioni.** Fatty acid composition in deep hydrothermal vent symbiotic bivalves 1797
Benson, Merrill D. See *Rader et al.* 755
Bentsianov, Vitaly. See *Ruotolo et al.* 1541
Bentzen, Craig L. See *Maechler et al.* 1475
Berg, Trond. See *Nenseter et al.* 867
Bergquist, Kristin E. See *Arbeeny et al.* 843
Bernini, Franco. See *Roma et al.* 819
Berr, Frieder. Characterization of chylomicron remnant clearance by retinyl palmitate label in normal humans 915
Bertulli, Stefano M. See *Roma et al.* 819
Beynen, A. C. See *Meijer et al.* 281
Bielicki, John K., William J. Johnson, Richard B. Weinberg, Jane M. Glick, and **George H. Rothblat.** Efflux of lipid from fibroblasts to apolipoproteins: dependence on elevated levels of cellular unesterified cholesterol 1699
Bilder, Glenda E. See *Amin et al.* 1657
Bishop, Richard W. Structure of the hamster low density lipoprotein receptor gene 549
Björkhem, Ingemar. Mechanism of degradation of the steroid side chain in the formation of bile acids 455
———. See *Einarsson et al.* 1591
Björnsson, O. G., J. D. Sparks, C. E. Sparks, and **G. F. Gibbons.** Prostaglandins suppress VLDL secretion in primary rat hepatocytes: relationships to hepatic calcium metabolism 1017
Black, Donald M. See *Sprecher et al.* 859
Blanche, Patricia J. See *Rainwater et al.* 1876
Blanchette-Mackie, E. Joan. See *Masuno et al.* 1343
Blanco-Vaca, Francisco, David P. Via, Chao-yuh Yang, John B. Massey, and **Henry J. Pownall.** Characterization of disulfide-linked heterodimers containing apolipoprotein D in human plasma lipoproteins 1785
Bocos, Carlos. See *Contreras et al.* 931
Boersma, Wim J. A. See *Gerritse et al.* 273
Boguski, Mark S. Computational sequence analysis revisited: new databases, software tools, and the research opportunities they engender 957
Bojesen, Eigil. See *Bojesen and Bojesen 1327*
Bojesen, Inge N., and **Eigil Bojesen.** Water-phase palmitate concentrations in equilibrium with albumin-bound palmitate in a biological system 1327
Bonelli, Frank S., and **Ana Jonas.** Continuous fluorescence assay for lecithin:cholesterol acyltransferase using a water-soluble phosphatidylcholine 1863
Booker, Michael L., Wayne W. LaMorte, Steven A. Ahrendt, Keith D. Lillemoe, and **Henry A. Pitt.** Distribution of phosphatidylcholine molecular species between mixed micelles and phospholipid-cholesterol vesicles in human gallbladder bile: dependence on acyl chain length and unsaturation 1485
Booth, Laura. See *Lichtenstein et al.* 907
Bownes, Mary. Why is there sequence similarity between insect yolk proteins and vertebrate lipases? 777
Boyles, Janet K. See *Handelmann et al.* 1677
Bradley, Roger. See *Ryan et al.* 55
Brewer, H. Bryan, Jr. See *Lohse et al.* 1583
———. See *Rader et al.* 755
Brewer, H. Bryan, III. See *Lohse et al.* 1583
Brogan, Michael. See *Singh et al.* 1597

Broughton, K. S. See *Surette et al.* 263
Brouillette, Christie G. See *Segrest et al.* 141
Brousseau, Margaret E. See *Hennessy et al.* 351
Brown, W. Virgil. See *Ishimura-Oka et al.* 745
Brunzell, John D. See *Peterson, Fujimoto, and Brunzell* 1165
——. See *Reina, Brunzell, and Deeb* 1823
Burkey, Bryan F., William D. Stuart, and **Judith A. K. Harmony.** Hepatic apolipoprotein J is secreted as a lipoprotein 1517
Burton, Graham W. See *Traber et al.* 1171

C

Cagen, Lauren. See *Fungwe et al.* 179
Campos, Elisa, Katsuyuki Nakajima, Akira Tanaka, and **Richard J. Havel.** Properties of an apolipoprotein E-enriched fraction of triglyceride-rich lipoproteins isolated from human blood plasma with a monoclonal antibody to apolipoprotein B-100 369
Casey, Patrick J. Biochemistry of protein prenylation 1731
Castro, G. See *Leroy et al.* 889
Castro, Mario. See *Contreras et al.* 931
Catapano, Alberico L. See *Fantappiè et al.* 1111
——. See *Roma et al.* 819
Celic, Lillian. See *Hahm et al.* 1123
Cerrè, Carolina. See *Roda et al.* 1393
Chan, Lawrence. See *Hide, Chan, and Li* 167
——. See *Ishimura-Oka et al.* 745
Chapman, M. J. See *Domingo et al.* 1419
Chen, G. Chi. See *Pullinger et al.* 699
Chiang, John Y. L. See *Pandak et al.* 659
Chojnacki, Tadeusz. See *Sagami et al.* 1857
Chowdhary, Indu R. See *Shefer et al.* 1193
Chytil, Frank. See *Haq and Chytil* 381
Claassen, Eric. See *Gerritse et al.* 273
Clay, Keith L. See *Wheelan, Zirrolli, and Clay* 111
Clifton, Peter. See *Nestel et al.* 1029
Coates, Paul M., and **Kay Tanaka.** Molecular basis of mitochondrial fatty acid oxidation defects 1099
Coetzee, Gerhard A. See *Rubinsztein et al.* 1647
Cohen, Bertram I. See *Miki et al.* 1629
Coleman, Trey. See *Ishimura-Oka et al.* 745
Contreras, Juan A., Mario Castro, Carlos Bocos, Emilio Herrera, and **Miguel A. Lasunción.** Combination of an enzymatic method and HPLC for the quantitation of cholesterol in cultured cells 931
Cooper, Allen D. See *Jackson et al.* 1307
Cornell, Susan A. See *Amin et al.* 1657
Corsini, Alberto. See *Fantappiè et al.* 1111
Crouse, John R. See *Parks and Crouse* 559
Cuthbert, Jennifer A., and **Peter E. Lipsky.** Differential regulation of the expression of 3-hydroxy-3-methylglutaryl coenzyme A reductase, synthase, and low density lipoprotein receptor genes 1157

D

Daggy, Bruce P. See *Everson et al.* 1183
Dahl, Neera K. See *Liscum and Dahl* 1239
Dallongeville, J., S. Lussier-Cacan, and **J. Davignon.** Modulation of plasma triglyceride levels by apoE phenotype: a meta-analysis 447
D'Aquino, M. See *Scaccini et al.* 627
Davie, James R. See *Delcuve, Sun, and Davie* 251
Davidson, Nicholas O. See *Inui et al.* 1843
Davignon, J. See *Dallongeville, Lussier-Cacan, and Davignon* 447
Dayananda, Dewundra. See *Kasim et al.* 1
De Caprio, Jeff, Jaime Yun, and **Norman B. Javitt.** Bile acid and sterol solubilization in 2-hydroxypropyl-β-cyclodextrin 441
Deckelbaum, Richard J. See *Rumsey et al.* 1551
Deeb, Samir S. See *Raeina, Brunzell, and Deeb* 1823
de Knijff, Peter. See *Gerritse et al.* 273
Delcuve, Genevieve P., Jian Min Sun, and **James R. Davie.** Expression of rainbow trout apolipoprotein A-I genes in liver and hepatocellular carcinoma 251
De Loof, Hans. See *Segrest et al.* 141
de Rijke, Yolanda B., Günther Jürgens, Esther M. A. J. Hessels, Anita Hermann, and **Theo J. C. van Berkel.** In vivo fate and scavenger receptor recognition of oxidized lipoprotein[a] isoforms in rats 1315
De Vries, H. See *Meijer et al.* 281
Dick, Diane, Scott Pluskey, Dinesh K. Sukumaran, and **David S. Lawrence.** NMR spectral analysis of cytotoxic ether lipids 605
Dietschy, John M. See *Woollett, Spady, and Dietschy* 77
Di Felice, M. See *Scaccini et al.* 627
Dinarello, Charles A. See *Feingold et al.* 1765
Dobiasova, Milada, Jarmila Stribrna, P. Haydn Pritchard, and **Jiri J. Frohlich.** Cholesterol esterification rate in plasma depleted of very low and low density lipoproteins is controlled by the proportion of HDL_2 and HDL_3 subclasses: study in hypertensive and normal middle-aged and septuagenarian men 1411
Doerrler, William. See *Feingold et al.* 1765
Domingo, N., J. Grosclaude, E. D. Bekaert, D. Mège, M. J. Chapman, S. Shimizu, M. Ayrault-Jarrier, J. D. Ostrow, and **H. Lafont.** Epitope mapping of the human biliary amphipathic, anionic polypeptide: similarity with a calcium-binding protein isolated from gallstones and bile, and immunologic cross-reactivity with apolipoprotein A-I 1419
Dorsman, Amelia N. R. D. See *Kilsdonk et al.* 1373
Dowd, Michael K. See *Kuan et al.* 1619
Downing, Donald T. Lipid and protein structures in the permeability barrier of mammalian epidermis 301
Drevon, Christian A. See *Nenseter et al.* 867
——. See *Ranheim et al.* 1281
Duane, William C. See *Gebhard et al.* 1459
Dugail, Isabelle. See *Guichard et al.* 679
Dupont, Jacqueline. See *Kuan et al.* 1619

E

Eckel, Robert H. See *Glaser, Yost, and Eckel* 209
Edwards, Peter A. See *Hwa et al.* 711
Einarsson, Kurt, Jan-Erik Åkerlund, Eva Reihnér, and **Ingemar Björkhem.** 12α-Hydroxylase activity in human liver and its relation to cholesterol 7α-hydroxylase activity 1591
Elias, Peter M. See *Holleran et al.* 1201
——. See *Jackson et al.* 1307
Elovson, John. See *Spring et al.* 233
Endo, Akira. The discovery and development of HMG-CoA reductase inhibitors 1569
Evans, C. Dean. See *Gebhard et al.* 1459
——. See *Stone and Evans* 1665

Everson, Gregory T., Bruce P. Daggy, Carol McKinley, and **Jon A. Story.** Effects of psyllium hydrophilic mucilloid on LDL-cholesterol and bile acid synthesis in hypercholesterolemic men 1183

F

Fantappiè, Simona, Alberto Corsini, Alessandro Sidoli, Patrizia Uboldi, Agnese Granata, Tiziano Zanelli, Paola Rossi, Santica Marcovina, Remo Fumagalli, and **Alberico L. Catapano.** Monoclonal antibodies to human low density lipoprotein identify distinct areas on apolipoprotein B-100 relevant to the low density lipoprotein-receptor interaction 1111

Farese, Robert V., Jr., Abhimanyu Garg, Vincenzo R. Pierotti, Gloria L. Vega, and **Stephen G. Young.** A truncated species of apolipoprotein B, B-83, associated with hypobetalipoproteinemia 569

Faustinella, Fabrizia. See *Ishimura-Oka et al.* 745

Feingold, Kenneth R., Ilona Staprans, Riaz A. Memon, Arthur H. Moser, Judy K. Shigenaga, William Doerrler, Charles A. Dinarello, and **Carl Grunfeld.** Endotoxin rapidly induces changes in lipid metabolism that produce hypertriglyceridemia: low doses stimulate hepatic triglyceride production while high doses inhibit clearance 1765

——. See *Jackson et al.* 1307

Fernandez, Maria Luz, Emme C. K. Lin, and **Donald J. McNamara.** Regulation of guinea pig plasma low density lipoprotein kinetics by dietary fat saturation 97

——, **Emme C. K. Lin,** and **Donald J. McNamara.** Differential effects of saturated fatty acids on low density lipoprotein metabolism in the guinea pig 1833

Ferrari, Stefano. See *Lamon-Fava et al.* 831

Fiala-Medioni, Aline. See *Ben-Mlih, Marty, and Fiala-Medioni* 1797

Fisher, Edward A. See *Furth et al.* 1719

Fleishman, H. Douglas. See *Furth et al.* 1719

Fogelman, Alan M. See *Hwa et al.* 711

Fogliatto, Roberta. See *Roma et al.* 819

Ford, Allen L. See *Rainwater et al.* 1876

Forden, J. M. See *Shillabeer et al.* 31

Forte, Trudy M. See *Kagan et al.* 385

Frants, Rune R. See *Gerritse et al.* 273

Freeman, Dale A., and **Joseph A. Ontko.** Accumulation and mobilization of triglycerides and cholesteryl esters in Leydig tumor cells 1139

Frohlich, Jiri J. See *Dobiasova et al.* 1411

Fruchart, J. C. See *Leroy et al.* 889

——. See *McConathy et al.* 995

Fuchs, Michael, Jürgen Scheibner, Erwin Hörmann, Gisela Tauber, and **Eduard F. Stange.** Enterohepatic circulation in hamsters with an extracorporeal bile duct 1383

Fujimoto, Kenshiro. See *Miyazawa et al.* 1051

Fujimoto, Wilfred Y. See *Peterson, Fujimoto, and Brunzell* 1165

Fumagalli, Remo. See *Fantappiè et al.* 1111

——. See *Roma et al.* 819

Fungwe, Thomas V., Lauren Cagen, Henry G. Wilcox, and **Murray Heimberg.** Regulation of hepatic secretion of very low density lipoprotein by dietary cholesterol 179

Furth, Emma E., Howard Sprecher, Edward A. Fisher, H. Douglas Fleishman, and **Michael Laposata.** An in vitro model for essential fatty acid deficiency: HepG2 cells permanently maintained in lipid-free medium 1719

G

Galeano, Narmer F. See *Rumsey et al.* 1551

Galton, D. J. See *Stocks, Thorn, and Galton* 853

Gantz, Donald. See *Herscovitz et al.* 791

Garg, Abhimanyu. See *Farese et al.* 569

Garrety, Karin H. See *Rye, Garrety, and Barter* 215

Gasa, Shinsei, Kouichi Kamio, and **Akira Makita.** Improved preparation method for lysogangliosides 1079

——. See *Kamio, Gasa, and Makita* 1227

Gebhard, Roger L., Bradford G. Stone, Jeffrey P. Andreini, William C. Duane, C. Dean Evans, and **William Prigge.** Thyroid hormone differentially augments biliary sterol secretion in the rat. I. The isolated-perfused liver model 1459

——, and **William F. Prigge.** Thyroid hormone differentially augments biliary sterol secretion in the rat. II. The chronic bile fistula model 1467

Gedde-Dahl, Ane. See *Ranheim et al.* 1281

Gentili, V. See *Scaccini et al.* 627

Gerritse, Koen, Peter de Knijff, Gonny v. Ierssel, Louis M. Havekes, Rune R. Frants, Marc M. Schellekens, Netty D. Zegers, Erick Claassen, and **Wim J. A. Boersma.** Immunological discrimination between the human apolipoprotein E2 (Arg_{158}→Cys) and E3 isoforms 273

Gesquiere, J. C. See *McConathy et al.* 995

Gibbons, G. F. See *Björnsson et al.* 1017

Gillett, Michael P. T., and **James S. Owen.** Comparison of the cytolytic effects in vitro on *Trypansoma brucei brucei* of plasma, high density lipoproteins, and apolipoprotein A-I from hosts both susceptible (cattle and sheep) and resistant (human and baboon) to infection 513

——. See *Owen, Gillett, and Hughes* 1639

Ginsberg, Henry N. See *Moulin et al.* 1817

Glaser, David S., Trudy J. Yost, and **Robert H. Eckel.** Preheparin lipoprotein lipolytic activities: relationship to plasma lipoproteins and postheparin lipolytic activities 209

Glick, Jane M. See *Bielicki et al.* 1699

Goldberg, Ira J. See *Ishimura-Oka et al.* 745

——. See *Sprecher et al.* 859

Gordon, Jeffrey I. See *Levin et al.* 9

Gotoda, Takanari, Nobuhiro Yamada, Toshio Murase, Hitoshi Shimano, Masako Shimada, Kenji Harada, Masako Kawamura, Koichi Kozaki, and **Yoshio Yazaki.** Detection of three separate DNA polymorphisms in the human lipoprotein lipase gene by gene amplification and restriction endonuclease digestion 1067

Gotto, Antonio M., Jr. See *Mowri et al.* 1269

——. See *Orekhov et al.* 805

Granata, Agnese. See *Fantappiè et al.* 1111

Greeve, Jobst. See *Jäckle et al.* 419

Gregg, Richard E. See *Arbeeny et al.* 843

——. See *Rader et al.* 755

Greten, Heiner. See *Jäckle et al.* 419

Gross, Werner. See *Ruzicka et al.* 1563

Grosclaude, J. See *Domingo et al.* 1419

Grundy, Scott M. See *Gylling, Vega, and Grundy* 1527

——. See *Jialal and Grundy* 899

Grunfeld, Carl. See *Feingold et al.* 1765

Gu, Jing-Jing, Alan F. Hofmann, Huong-Thu Ton-Nu, Claudio D. Schteingart, and **Karol J. Mysels.** Solubility of calcium salts of unconjugated and conjugated natural bile acids 735

Gudmundsen, Ola. See *Nenseter et al.* 867

Guevara, J., Jr. See *Orekhov et al.* 805

Guichard, Colette, Isabelle Dugail, Xavier Le Liepvre, and **Marcelle Lavau.** Genetic regulation of fatty acid synthetase expression in adipose tissue: overtranscription of the gene in genetically obese rats 679

Gupta, Arun K., and **Harry Rudney.** Sphingomyelinase treatment of low density lipoprotein and cultured cells results in enhanced processing of LDL which can be modulated by sphingomyelin 1741

Gustafson, Susan K. See *Amin et al.* 1657

Gylling, Helena, and **Tatu A. Miettinen.** Cholesterol absorption and synthesis related to low density lipoprotein metabolism during varying cholesterol intake in men with different apoE phenotypes 1361

——, Gloria Lena Vega, and **Scott M. Grundy.** Physiologic mechanisms for reduced apolipoprotein A-I concentrations associated with low levels of high density lipoprotein cholesterol in patients with normal plasma lipids 1527

H

Hachey, David L. See *Lichtenstein et al.* 907

Hadipour, Nasser L. See *Wang et al.* 431

Hahm, Joon-Soo, J. Donald Ostrow, Pasupati Mukerjee, and **Lillian Celic.** Ionization and self-association of unconjugated bilirubin, determined by rapid solvent partition from chloroform, with further studies of bilirubin solubility 1123

Hamilton, Robert L. See *Pullinger et al.* 699

Hamsten, Anders. See *Karpe et al.* 975

Handelmann, Gail E., Janet K. Boyles, Karl H. Weisgraber, Robert W. Mahley, and **Robert E. Pitas.** Effects of apolipoprotein E, β-very low density lipoproteins, and cholesterol on the extension of neurites by rabbit dorsal root ganglion neurons in vitro 1677

Hanley, Karen P. See *Williams, Menon, and Hanley* 193

Hannuksela, Minna, Yves L. Marcel, Y. Antero Kesäniemi, and **Markku J. Savolainen.** Reduction in the concentration and activity of plasma cholesteryl ester transfer protein by alcohol 737

Haq, Riaz-ul, and **Frank Chytil.** Effect of retinoids on nuclear retinoic acid receptors mRNA in adipose tissue of retinol-deficient rats 381

Harada, Kenji. See *Gotoda et al.* 1067

Hardman, David A. See *Pullinger et al.* 699

Harmony, Judith A. K. See *Burkey, Stuart, and Harmony* 1517

Harris, Betsy V. See *Sprecher et al.* 859

Hausman, Annalise M. L. See *Inui et al.* 1843

Havekes, Louis M. See *Gerritse et al.* 273

Havel, Richard J. See *Campos et al.* 369

Hayes, K. C. See *Lindsey, Pronczuk, and Hayes* 647

Heimberg, Murray. See *Fungwe et al.* 179

Hendricks, Cynthia L. See *Sorci-Thomas, Hendricks, and Kearns* 1147

Hennessy, Lori K., Jesus Osada, Jose M. Ordovas, Robert J. Nicolosi, Arthur F. Stucchi, Margaret E. Brousseau, and **Ernst J. Schaefer.** Effects of dietary fats and cholesterol on liver lipid content and hepatic apolipoprotein A-I, B, and E and LDL receptor mRNA levels in cebus monkeys 351

——. See *Kunitake, Mendel, and Hennessy* 1807

Henning, Susan J. See *Inui et al.* 1843

Hermann, Anita. See *de Rijke et al.* 1315

Herrera, Emilio. See *Contreras et al.* 931

Herscovitz, Haya, Donald Gantz, Anna M. Tercyak, Vassilis I. Zannis, and **Donald M. Small.** Expression of human apolipoprotein E but not that of apolipoprotein A-I by mouse C127 cells is associated with increased secretion of lipids in the form of vesicles and discs 791

Herz, Josef E., Shankar Swaminathan, Frederick D. Pinkerton, William K. Wilson, and **George J. Schroepfer, Jr.** Inhibitors of sterol synthesis. A highly efficient and specific side-chain oxidation of 3β-acetoxy-5α-cholest-8(14)-en-15-one for construction of metabolites and analogs of the 15-ketosterol 579

Hessels, Esther M. A. J. See *de Rijke et al.* 1315

Heuman, Douglas M. See *Pandak et al.* 659

Hidaka, Hideki. See *Traber et al.* 1171

Hide, Winston A., Lawrence Chan, and **Wen-Hsiung Li.** Structure and evolution of the lipase superfamily 167

——. See *Ishimura-Oka et al.* 745

Higuchi, Keiichi, Kaori Kitagawa, Kumiko Kogishi, and **Toshio Takeda.** Development and age-related changes in apolipoprotein B mRNA editing in mice 1753

Hillas, Elaine. See *Pullinger et al.* 699

Hiraiwa, Masao. See *Kishimoto, Hiraiwa, and O'Brien* 1255

Hirano, T. See *Yoshida et al.* 343

Hjelte, Lena. See *Nilsson, Hjelte, and Strandvik* 1295

Hofmann, Alan F., and **Karol J. Mysels.** Bile acid solubility and precipitation in vitro and in vivo: the role of conjugation, pH, and Ca^{2+} ions 617

——, Jan Sjövall, Gerhard Kurz, Anna Radominska, Claudio D. Schteingart, G. S. Tint, Z. Reno Vlahcevic, and **Kenneth D. R. Setchell.** A proposed nomenclature for bile acids 599

——. See *Gu et al.* 635

Hokland, Bjørn, Armando J. Mendez, and **John F. Oram.** Cellular localization and characterization of proteins that bind high density lipoprotein 1335

Holleran, Walter M., Yutaka Takagi, Genji Imokawa, Simon Jackson, Jane M. Lee, and **Peter M. Elias.** β-Glucocerebrosidase activity in murine epidermis: characterization and localization in relation to differentiation 1201

Horichi, Hajime. See *Tamai et al.* 1351

Hörmann, Erwin. See *Fuchs et al.* 1383

Hornford, J. See *Shillabeer et al.* 31

Hornstra, Gerard. See *Mensink et al.* 1493

Hostetler, K. Y. See *van Wijk, Hostetler, and van den Bosch* 1211

Hughes, Lise. See *Traber et al.* 1171

Hughes, Thomas E. See *Owen, Gillett, and Hughes* 1639

Hwa, Joyce J., Susan Zollman, Craig H. Warden, Benjamin A. Taylor, Peter A. Edwards, Alan M. Fogelman, and **Aldons J. Lusis.** Genetic and dietary interactions in the regulation of HMG-CoA reductase gene expression 711

Hyams, Jeffrey. See *Traber et al.* 1171

Hylemon, Phillip B. See *Pandak et al.* 659

I

Imai, Yasuharu, John E. Scoble, Neil McIntyre, and **James S. Owen.** Increased Na^+-dependent D-glucose transport and altered lipid composition in renal cortical brush-border membrane vesicles in bile duct-ligated rats 473

Imokawa, Genji. See *Holleran et al.* 1201

In, Yasuko. See *Inoue, In, and Ishida* 985

Ingold, Keith U. See *Traber et al.* 1171

Inoue, Masatoshi, Yasuko, In, and **Toshimasa Ishida.** Calcium binding to phospholipid: structural study of calcium glycerophosphate 985

Inui, Yoshiaki, Annalise M. L. Hausman, Nanda Nanthakumar, Susan J. Henning, and **Nicholas O. Davidson.** Apolipoprotein B messenger RNA editing in rat liver: developmental and hormonal modulation is divergent from apolipoprotein A-IV gene expression despite increased hepatic lipogenesis 1843
Ishida, Brian Y., and **Beverly Paigen.** Silver-enhanced radial immunodiffusion assay of plasma apolipoproteins 1073
Ishida, Toshimasa. See *Inoue, In, and Ishida* 985
Ishimura-Oka, Kazumi, Clay F. Semenkovich, Fabrizia Faustinella, Ira J. Goldberg, Neil Shachter, Louis C. Smith, Trey Coleman, Winston A. Hide, W. Virgil Brown, Kazuhiro Oka, and **Lawrence Chan.** A missense ($Asp^{250} \rightarrow Asn$) mutation in the lipoprotein lipase gene in two unrelated families with familial lipoprotein lipase deficiency 745
Itoh, Hideaki. See *Moroi, Kitagawa, and Itoh* 49
Iwasa, Jo Ann. See *Pullinger et al.* 699

J

Jäckle, Stefan, Franz Rinninger, Jobst Greeve, Heiner Greten, and **Eberhard Windler.** Regulation of the hepatic removal of chylomicron remnants and β-very low density lipoproteins in the rat 419
Jackson, Simon M., Ladonna C. Wood, Stephen Lauer, John M. Taylor, Allen D. Cooper, Peter M. Elias, and **Kenneth R. Feingold.** Effect of cutaneous permeability barrier disruption on HMG-CoA reductase, LDL receptor, and apolipoprotein E mRNA levels in the epidermis of hairless mice 1307
——. See *Holleran et al.* 1201
Jakobs, C. See *ten Brink et al.* 41
——. See *ten Brink et al.* 1449
Janus, Edward. See *Nestel et al.* 1029
Javitt, Norman B. See *De Caprio, Yun, and Javitt* 441
Jen, K-L. Catherine. See *Kasim et al.* 1
Jenner, Jennifer L. See *Lichtenstein et al.* 907
Jerlin, Erin A. See *Wang et al.* 431
Jialal, Ishwarlal, and **S. M. Grundy.** Effect of dietary supplementation with alpha-tocopherol on the oxidative modification of low density lipoprotein 899
Johnson, David. See *Singh et al.* 1597
Johnson, William J. See *Bielicki et al.* 1699
——. See *Rothblat et al.* 1091
Jonas, Ana. See *Bonelli and Jonas* 1863
Jones, Martin K., G. M. Anantharamaiah, and **Jere P. Segrest.** Computer programs to identify and classify amphipathic α helical domains 287
——. See *Segrest et al.* 141
Julkunen, A. See *Ågren, Julkunen, and Penttilä* 1871
Jürgens, Günther. See *de Rijke et al.* 1315

K

Kadowaki, Hiroko, George M. Patton, and **Sander J. Robins.** Metabolism of high density lipoprotein lipids by the rat liver: evidence for participation of hepatic lipase in the uptake of cholesteryl ester 1689
Kagan, Valerian E., Elena A. Serbinova, Trudy Forte, Giorgio Scita, and **Lester Packer.** Recycling of vitamin E in human low density lipoproteins 385
Kamio, Kouichi, Shinsei Gasa, and **Akira Makita.** Galactosylceramide containing ω-amino-fatty acids: preparation, characterization, and sulfotransferase acceptor 1227
——. See *Gasa, Kamio, and Makita* 1079
Kane, John P. See *Pullinger et al.* 699
——. See *Traber et al.* 1171
Kaplowitz, N. See *Yoshida et al.* 343
Karathanasis, Sotirios K. See *Lamon-Fava et al.* 831
Karpe, Fredrik, Thomas Olivecrona, Göran Walldius, and **Anders Hamsten.** Lipoprotein lipase in plasma after an oral fat load: relation to free fatty acids 975
Kasim, Sidika E., Renee C. LeBoeuf, Sheila Khilnani, Lalitha Tallapaka, Dewundra Dayananda, and **K-L. Catherine Jen.** Mechanisms of triglyceride-lowering effect of an HMG-CoA reductase inhibitor in a hypertriglyceridemic animal model, the Zucker obese rat 1
Katan, Martijn B. See *Mensink et al.* 1493
——. See *Zock and Katan* 399
Kawamura, Masako. See *Gotoda et al.* 1067
Kay, Cyril M. See *Ryan et al.* 55
Kayden, Herbert J. See *Traber et al.* 1171
Kearns, Mary W. See *Sorci-Thomas, Hendricks, and Kearns* 1147
Kempen, H. J. M. See *Meijer et al.* 281
Kern, Philip A. See *Saffari, Ong, and Kern* 241
——. See *Simsolo et al.* 89
——. See *Simsolo, Ong, and Kern* 1777
Kesäniemi, Y. Antero. See *Hannuksela et al.* 737
Khilnani, Sheila. See *Kasim et al.* 1
Killenberg, Paul G. See *Stevens et al.* 21
Kilsdonk, Elisabeth P. C., Amelia N. R. D. Dorsman, Teus van Gent, and **Arie van Tol.** Effect of phospholipid fatty acid composition of endothelial cells on cholesterol efflux rates 1373
Kinsella, J. E. See *Surette et al.* 263
Kirschner, Gunther. See *Sonnino et al.* 1221
Kishimoto, Yasuo, Masao Hiraiwa, and **John S. O'Brien.** Saposins: structure, function, distribution, and molecular genetics 1255
Kitagawa, Kaori. See *Higuchi et al.* 1753
Kitagawa, Masahiro. See *Moroi, Kitagawa, and Itoh* 49
Knight, B. L. See *Webb et al.* 689
Kobayashi, Junji. See *Sprecher et al.* 859
Kogishi, Kumiko. See *Higuchi et al.* 1753
Kojima, Hisako. See *Tamai et al.* 1351
Kok, R. M. See *ten Brink et al.* 41
——. See *ten Brink et al.* 1449
Kokkonen, Jorma O. See *Lindstedt, Kokkonen, and Kovanen* 65
Kovanen, Petri T. See *Lindstedt, Kokkonen, and Kovanen* 65
Kozaki, Koichi. See *Gotoda et al.* 1067
Krauss, Ronald M. See *Rainwater et al.* 1876
——. See *Williams, Vranizan, and Krauss* 765
Kroon, Paulus A. See *Powell and Kroon* 609
Krul, Elaine S., Klaus G. Parhofer, P. Hugh R. Barrett, R. Doug Wagner, and **Gustav Schonfeld.** ApoB-75, a truncation of apolipoprotein B associated with familial hypobetalipoproteinemia: genetic and kinetic studies 1037
Kuan, Son I., Jeanne Stewart, Michael K. Dowd, Leah Patterson, Jacqueline Dupont, and **Richard C. Seagrave.** Effects of dietary fat on cholesterol movement between tissues in CBA/*J* and C57BR/*cdJ* mice 1619
Kuhlenkamp, J. See *Yoshida et al.* 343
Kunitake, Steven T., Carl M. Mendel, and **Lori K. Hennessy.** Interconversion between apolipoprotein A-I-containing lipoproteins of pre-beta and alpha electrophoretic mobilities 1807

Kurisaki, Akira. See *Sagami et al.* 1857
Kurz, Gerhard. See *Hofmann et al.* 599
Kuusi, T. See *Tilly-Kiesi et al.* 333

L

Lack, Leon. See *Stevens, et al.* 21
Lafont, H. See *Domingo et al.* 1419
Lahdenperä, S. See *Tilly-Kiesi et al.* 333
Lalouel, Jean-Marc. See *Pullinger et al.* 699
Lamon-Fava, Stefania, Rajeswari Sastry, Stefano Ferrari, Tripathi B. Rajavashisth, Aldons J. Lusis, and **Sotirios K. Karathanasis.** Evolutionary distinct mechanisms regulate apolipoprotein A-I gene expression: differences between avian and mammalian apoA-I gene transcription control regions 831
LaMorte, Wayne W. See *Booker et al.* 1485
Lange, Yvonne. Tracking cell cholesterol with cholesterol oxidase 315
Laposata, Michael. See *Furth et al.* 1719
——. See *Rubin and Laposata* 1431
LaRosa, John C. See *Lohse et al.* 1583
Lasunción, Miguel A. See *Contreras et al.* 931
Lau, D. C. W. See *Shillabeer et al.* 31
Lauer, Stephen. See *Jackson et al.* 1307
Lavau, Marcelle. See *Guichard et al.* 679
Lawrence, David S. See *Dick et al.* 605
Le, Ngoc-Anh. See *Ruotolo et al.* 1541
LeBoeuf, Renee. See *Kasim et al.* 1
Lee, Jane M. See *Hollenn et al.* 1201
Lee, Sun-Min. See *Spring et al.* 233
Leitersdorf, Eran. See *Rubinsztein et al.* 1647
Le Liepvre, Xavier. See *Guichard et al.* 679
Lerner, Susan. See *Shefer et al.* 1193
Leroy, A., G. Castro, G. Agnani, R. Saïle, A. Barkia, and **J. C. Fruchart.** Thrombin cleavage of apolipoprotein B_h of rabbit LDL: structural comparisons with human apolipoprotein B-100 889
Levin, Marc S., Venugopal D. Talkad, Jeffrey I. Gordon, and **William F. Stenson.** Trafficking of exogenous fatty acids within Caco-2 cells 9
Levy, Emile, Louise Thibault, and **Daniel Ménard.** Intestinal lipids and lipoproteins in the human fetus: modulation by epidermal growth factor 1607
Levy, Richard, Richard E. Ostlund, Jr., Gustav Schonfeld, Paul Wong, and **Clay F. Semenkovich.** Cholesteryl ester storage disease: complex molecular effects of chronic lovastatin therapy 1005
Li, Jun, Mary G. Wetzel, and **Paul J. O'Brien.** Transport of n-3 fatty acids from the intestine to the retina in rats 539
Li, Qiu-Tian, and **William H. Sawyer.** Effect of unesterified cholesterol on the compartmentation of a fluorescent cholesteryl ester in a lipoprotein-like lipid microemulsion 503
Li, Wen-Hsiung. See *Hide, Chan, and Li* 167
Lichtenstein, Alice H., David L. Hachey, John S. Millar, Jennifer L. Jenner, Laura Booth, Jose Ordovas, and **Ernst J. Schaefer.** Measurement of human apolipoprotein B-48 and B-100 kinetics in triglyceride-rich lipoproteins using [5,5,5-$^2H_3$]leucine 907
Lillemoe, Keith D. See *Booker et al.* 1485
Lin, Emme C. K. See *Fernandez, Lin, and McNamara* 97
——. See *Fernandez, Lin, and McNamara* 1833
Lindsey, Saralyn, Andrzej Pronczuk, and **K. C. Hayes.** Low density lipoprotein from humans supplemented with n-3 fatty acids depresses both LDL receptor activity and LDLr mRNA abundance in HepG2 cells 647
Lindstedt, Ken A., Jorma O. Kokkonen, and **Petri T. Kovanen.** Soluble heparin proteoglycans released from stimulated mast cells induce uptake of low density lipoproteins by macrophages via scavenger receptor-mediated phagocytosis 65
Lipsky, Peter E. See *Cuthbert and Lipsky* 1157
Liscum, Laura, and **Neera K. Dahl.** Intracellular cholesterol transport 1239
Lui, Hu. See *Ryan et al.* 55
Lohse, Peter, H. Bryan Brewer III, Martha S. Meng, Sonia I. Skarlatos, John C. LaRosa, and **H. Bryan Brewer, Jr.** Familial apolipoprotein E deficiency and type III hyperlipoproteinemia due to a premature stop codon in the apolipoprotein E gene 1583
Lowe, W. Frank. See *Rainwater et al.* 1876
Lu, G-P. See *Surette et al.* 263
Lusis, Aldons J. See *Hwa et al.* 711
——. See *Lamon-Fava et al.* 831
Lussier-Cacan, S. See *Dallongeville, Lussier-Cacan, and Davignon* 447

M

Maechler, Pierre, Claes B. Wollheim, Craig L. Bentzen, and **Eric Niesor.** Role of the intestinal acyl-CoA:cholesterol acyltransferase activity in the hyperresponse of diabetic rats to dietary cholesterol 1475
Maelandsmo, Gunhild. See *Nenseter et al.* 867
Mahlberg, Florence H. See *Rothblat et al.* 1091
Mahley, Robert W. See *Handelmann et al.* 1677
Makita, Akira. See *Gasa, Kamio, and Makita* 1079
——. See *Kamio, Gasa, and Makita* 1227
Malloy, Mary. See *Traber et al.* 1171
Marais, A. David. See *Rubinsztein et al.* 1647
Marcel, Yves L. See *Hannuksela et al.* 737
Marcovina, Santica. See *Fantappiè et al.* 1111
Marty, Jean-Claude. See *Ben-Mlih, Marty, and Fiali-Medioni* 1797
März, Winfried. See *Ruzicka et al.* 1563
Massey, John B. See *Blanco-Vaca et al.* 1785
Masuno, Hiroshi, E. Joan Blanchette-Mackie, Charles J. Schultz, Albert E. Spaeth, Robert O. Scow, and **Hiromichi Okuda.** Retention of glucose by N-linked oligosaccharide chains impedes expression of lipoprotein lipase activity: effect of castanospermine 1343
Mayes, Peter A. See *Mindham and Mayes* 1084
McArthur, Rosemary. See *Nestel et al.* 1029
McCarthy, S. N. See *Webb et al.* 689
McConathy, W. J., J. C. Gesquiere, H. Bass, A. Tartar, J-C. Fruchart, and **C-S. Wang.** Inhibition of lipoprotein lipase activity by synthetic peptides of apolipoprotein C-III 995
McIntyre, Neil. See *Imai et al.* 473
McKinley, Carol. See *Everson et al.* 1183
McNamara, Donald J. See *Fernandez, Lin, and McNamara* 97
——. See *Fernandez, Lin, and McNamara* 1833
McSherry, Charles K. See *Miki et al.* 1629
Mège, D. See *Domingo et al.* 1419
Meijer, G. W., J. G. P. Van der Palen, H. De Vries, H. J. M. Kempen, H. A. Van der Voort, L. F. M. Van Zutphen, and **A. C. Beynen.** Evaluation of the use of serum lathosterol concentration to assess whole-body cholesterol synthesis in rabbits 281

Melki, Samir A., and **Nada A. Abumrad.** Glycerolipid synthesis in isolated adipocytes: substrate dependence and influence of norepinephrine 669
Memon, Riaz A. See *Feingold et al.* 1765
Ménard, Daniel. See *Levy, Thibault, and Ménard* 1607
Mendel, Carl M. See *Kunitake, Mendel, and Hennessy* 1807
Mendez, Armando J. See *Hokland, Mendez, and Oram* 1335
Meng, Martha S. See *Lohse et al.* 1583
——. See *Rader et al.* 755
Menon, Gopinathan K. See *Williams, Menon, and Hanley* 193
Mensink, Ronald P., Peter L. Zock, Martijn B. Katan, and **Gerard Hornstra.** Effect of dietary *cis* and *trans* fatty acids on serum lipoprotein [a] levels in humans 1493
Meyers, Daniel S. See *Arbeeny et al.* 843
Miettinen, Tatu A. See *Gylling and Miettinen* 1361
Miki, Shigeo, Erwin H. Mosbach, Bertram I. Cohen, Michiko Yoshii, Nariman Ayyad, and **Charles K. McSherry.** Sulfonate analogues of chenodeoxycholic acid: metabolism of sodium 3α,7α-dihydroxy-25-homo-5β-cholane-25-sulfonate and sodium 3α,7α-dihydroxy-24-nor-5β-cholane-23-sulfonate in the hamster 1629
Millar, John S. See *Lichtenstein et al.* 907
Mindham, Malcolm A., and **Peter A. Mayes.** A simple and rapid method for the preparation of apolipoproteins for electrophoresis 1084
Mirchandani, Renu. See *Batta et al.* 1403
Miyazawa, Teruo, Toshihide Suzuki, Kenshiro Fujimoto, and **Keiichi Yasuda.** Chemiluminescent simultaneous determination of phosphatidylcholine hydroperoxide and phosphatidylethanolamine hydroperoxide in the liver and brain of the rat 1051
Morimoto, Chie. See *Okuda, Morimoto, and Tsujita* 225
Moroi, Yoshikiyo, Masahiro Kitagawa, and **Hideaki Itoh.** Aqueous solubility and acidity constants of cholic, deoxycholic, chenodeoxycholic, and ursodeoxycholic acids 49
Morrisett, J. D. See *Orekhov et al.* 805
Mosbach, Erwin H. See *Miki et al.* 1629
Moser, Arthur H. See *Feingold et al.* 1765
Moulin, Philippe, Gerald B. Appel, Henry N. Ginsberg, and **Alan R. Tall.** Increased concentration of plasma cholesteryl ester transfer protein in nephrotic syndrome: role in dyslipidemia 1817
Mowri, Hiro-Omi, Wolfgang Patsch, Louis C. Smith, Antonio M. Gotto, Jr., and **Josef R. Patsch.** Different reactivities of high density lipoprotein$_2$ subfractions with hepatic lipase 1269
Mukerjee, Pasupati. See *Hahm et al.* 1123
Murase, Toshio. See *Gotoda et al.* 1067
Muto, Yasutoshi. See *Seishima et al.* 1441
Mysels, Karol J. See *Hofmann and Mysels* 617
——. See *Gu et al.* 635

N

Nakajima, Katsuyuki. See *Campos et al.* 369
Nanthakumar, Nanda. See *Inui et al.* 1843
Nardini, M. See *Scaccini et al.* 627
Naya-Vigne, Josefina M. See *Pullinger et al.* 699
Needle, Saul J. See *Amin et al.* 1657
Negri, Simonetta. See *Roma et al.* 819
Nenseter, Marit S., Ola Gudmundsen, Norbert Roos, Gunhild Maelandsmo, Christian A. Drevon, and **Trond Berg.** Role of liver endothelial and Kupffer cells in clearing low density lipoprotein from blood in hypercholesterolemic rabbits 867
Ness, Gene C. See *Salen et al.* 945
——. See *Shefer et al.* 1193
Nestel, Paul J, Manny Noakes, Bryan Belling, Rosemary McArthur, Peter Clifton, Edward Janus, and **Mavis Abbey.** Plasma lipoprotein lipid and Lp[a] changes with substitution of elaidic acid for oleic acid in the diet 1029
Nguyen, Lien. See *Salen et al.* 945
——. See *Shefer et al.* 1193
Nicolosi, Robert J. See *Hennessy et al.* 351
Niesor, Eric. See *Maechler et al.* 1475
Nilsson, Åke, Lena Hjelte, and **Birgitta Strandvik.** Incorporation of dietary [^{14}C]arachidonic acid and [^{3}H]eicosapentaenoic acid into tissue lipids during absorption of a fish oil emulsion 1295
Noakes, Manny. See *Nestel et al.* 1029
Noma, Akio. See *Seishima et al.* 1441
Numazawa, Satoshi. See *Swaminathan et al.* 1503

O

O'Brien, John S. See *Kishimoto, Hiraiwa, and O'Brien* 1255
O'Brien, Paul J. See *Li, Wetzel, and O'Brien* 539
Ogura, Kyozo. See *Sagami et al.* 1857
Oikawa, Kim. See *Ryan et al.* 55
Oka, Kazuhiro. See *Ishimura-Oka et al.* 745
Okuda, Hiromichi, Chie Morimoto, and **Takahiro Tsujita.** Relationship between cyclic AMP production and lipolysis induced by forskolin in rat fat cells 225
——. See *Masuno et al.* 1343
Olivecrona, Thomas. See *Karpe et al.* 975
Ong, John M. See *Saffari, Ong, and Kern* 241
——. See *Simsolo et al.* 89
——. See *Simsolo, Ong, and Kern* 1777
Ontko, Joseph A. See *Freeman and Ontko* 1139
Oram, John F. See *Hokland, Mendez, and Oram* 1335
Ordovas, Jose M. See *Hennessy et al.* 351
——. See *Lichtenstein et al.* 907
Orekhov, A. N., V. V. Tertov, I. A. Sobenin, V. N. Smirnov, D. P. Via, J. Guevara, Jr., A. M. Gotto, Jr., and **J. D. Morrisett.** Sialic acid content of human low density lipoproteins affects their interaction with cell receptors and intracellular lipid accumulation 805
Osada, Jesus. See *Hennessy et al.* 351
Ostlund, Richard E., Jr. See *Levy et al.* 1005
Ostrow, J. Donald. See *Domingo et al.* 1419
——. See *Hahm et al.* 1123
Owen, James S., Michael P. T. Gillett, and **Thomas E. Hughes.** Transgenic mice expressing human apolipoprotein A-I have sera with modest trypanolytic activity in vitro but remain susceptible to infection by *Trypanosoma brucei brucei* 1639
——. See *Gillett and Owen* 513
——. See *Imai et al.* 473

P

Packer, Lester. See *Kagan et al.* 385
Paigen, Beverly. See *Ishida and Paigen* 1073
Pal, Shubhro, Megumi Saito, Toshio Ariga, and **Robert K. Yu.** UDP-galactose:globotriaosylceramide α-galactosyltransferase activity in rat pheochromocytoma (PC12h) cells 411
Pandak, William M., Z. Reno Vlahcevic, John Y. L. Chiang, Douglas M. Heuman, and **Phillip B. Hylemon.** Bile acid synthesis. VI. Regulation of cholesterol 7α-hydroxylase by taurocholate and mevalonate 659

Parhofer, Klaus G. See *Krul et al.* 1037
Parks, John S., and **John R. Crouse.** Reduction of cholesterol absorption by dietary oleinate and fish oil in African green monkeys 559
——, **Tom Y. Thuren,** and **Jeffrey D. Schmitt.** Inhibition of lecithin:cholesterol acyltransferase activity by synthetic phosphatidylcholine species containing eicosapentaenoic acid or docosahexaenoic acid at the *sn*-2 position 879
Parrott, Catherine L., Naji Alsayed, Regis Rebourcet, and **Silvia Santamarina-Fojo.** ApoC-II$_{Paris2}$: a premature termination mutation in the signal peptide of apoC-II resulting in the familial chylomicronemia syndrome 361
Patel, D. D. See *Webb et al.* 689
Patsch, Josef R. See *Mowri et al.* 1269
Patsch, Wolfgang. See *Mowri et al.* 1269
Patterson, Leah. See *Kuan et al.* 1619
Patton, George M. See *Kadowaki, Patton, and Robins* 1689
Pawlosky, Robert J., Howard W. Sprecher, and **Norman Salem, Jr.** High sensitivity negative ion GC–MS method for detection of desaturated and chain-elongated products of deuterated linoleic and linolenic acids 1711
Penttilä, I. See *Ågren, Julkunen, and Penttilä* 1871
Perrone, Mark H. See *Amin et al.* 1657
Peterson, Jonas, Wilfred Y. Fujimoto, and **John D. Brunzell.** Human lipoprotein lipase: relationship of activity, heparin affinity, and conformation as studied with monoclonal antibodies 1165
Phillips, Martin. See *Spring et al.* 233
Phillips, Michael C. See *Rothblat et al.* 1091
——. See *Sparks and Phillips* 123
Pierotti, Vincenzo R. See *Farese et al.* 569
Pinkerton, Frederick D. See *Herz et al.* 579
——. See *Swaminathan et al.* 1503
Pistillo, Antonio. See *Roda et al.* 1393
Pitas, Robert E. See *Handelmann et al.* 1677
Pitt, Henry A. See *Booker et al.* 1485
Pluskey, Scott. See *Dick et al.* 605
Polimeni, Carla. See *Roda et al.* 1393
Poll-The, B. T. See *ten Brink et al.* 1449
Poulos, Alf. See *Singh et al.* 1597
Powell, Elizabeth E., and **Paulus A. Kroon.** Measurement of mRNA by quantitative PCR with a nonradioactive label 609
Powell, William S. See *Wang, Yu, and Powell* 525
Pownall, Henry J. See *Blanco-Vaca et al.* 1785
Prigge, William. See *Gebhard et al.* 1459
——. See *Gebhard and Prigge* 1467
Pritchard, P. Haydn. See *Dobiasova et al.* 1411
Pronczuk, Andrzej. See *Lindsey, Pronczuk, and Hayes* 647
Pullinger, Clive R., Elaine Hillas, David A. Hardman, G. Chi Chen, Josefina M. Naya-Vigne, Jo Ann Iwasa, Robert L. Hamilton, Jean-Marc Lalouel, Roger R. Williams, and **John P. Kane.** Two apolipoprotein B gene defects in a kindred with hypobetalipoproteinemia, one of which results in a truncated variant, apoB-61, in VLDL and LDL 699
Puppione, Donald L. See *Spring et al.* 233

R

Rader, Daniel J., Richard E. Gregg, Martha S. Meng, Juergen R. Schaefer, Loren A. Zech, Merrill D. Benson, and **H. Bryan Brewer, Jr.** In vivo metabolism of a mutant apolipoprotein, apoA-I$_{Iowa}$, associated with hypoalphalipoproteinemia and hereditary systemic amyloidosis 755
Radominska, Anna. See *Hofmann et al.* 599
Rainwater, David L., David W. Andres, Allen L. Ford, W. Frank Lowe, Patricia J. Blanche, and **Ronald M. Krauss.** Production of polyacrylamide gradient gels for the electrophoretic resolution of lipoproteins 1876
Rajavashisth, Tripathi B. See *Lamon-Fava et al.* 831
Ranheim, Trine, Ane Gedde-Dahl, Arild C. Rustan, and **Christian A. Drevon.** Influence of eicosapentaenoic acid (20:5, n–3) on secretion of lipoproteins in CaCo-2 cells 1281
Rebourcet, Regis. See *Parrott et al.* 361
Reihnér, Eva. See *Einarsson et al.* 1591
Reina, Manuel, John D. Brunzell, and **Samir S. Deeb.** Molecular basis of familial chylomicronemia: mutations in the lipoprotein lipase and apolipoprotein C-II genes 1823
Ren, I. See *Yoshida et al.* 343
Ribeiro, Anthony A. See *Stevens et al.* 21
Riehl, T. E., J. Turk, and **W. F. Stenson.** Metabolism of oxygenated derivatives of arachidonic acid by Caco-2 cells 323
Rinninger, Franz. See *Jäckle et al.* 419
Robins, Sander J. See *Kadowaki, Patton, and Robins* 1689
Roda, Aldo, Carolina Cerrè, Patrizia Simoni, Carla Polimeni, Chiara Vaccari, and **Antonio Pistillo.** Determination of free and amidated bile acids by high-performance liquid chromatography with evaporative light-scattering mass detection 1393
Roma, Paola, Franco Bernini, Roberta Fogliatto, Stefano M. Bertulli, Simonetta Negri, Remo Fumagalli, and **Alberico L. Catapano.** Defective catabolism of oxidized LDL by J774 murine macrophages 819
Roos, Norbert. See *Nenseter et al.* 867
Rossi, Paola. See *Fantappiè et al.* 1111
Rothblat, George H., Florence H. Mahlberg, William J. Johnson, and **Michael C. Phillips.** Apolipoproteins, membrane cholesterol domains, and the regulation of cholesterol efflux 1091
——. See *Bielicki et al.* 1699
Rubin, Daniel, and **Michael Laposata.** Cellular interactions between n–6 and n–3 fatty acids: a mass analysis of fatty acid elongation/desaturation, distribution among complex lipids, and conversion to eicosanoids 1431
Rubino, Federico. See *Sonnino et al.* 1221
Rubinsztein, David C., Gerhard A. Coetzee, A. David Marais, Eran Leitersdorf, Harry C. Seftel, and **Deneys R. van der Westhuyzen.** Identification and properties of the proline$_{664}$-leucine mutant LDL receptor in South Africans of Indian origin 1647
Rudling, Mats. Hepatic mRNA levels for the LDL receptor and HMG-CoA reductase show coordinate regulation in vivo 493
Rudney, Harry. See *Gupta and Rudney* 1741
Rumsey, Steven C., Narmer F. Galeano, Yadon Arad, and **Richard J. Deckelbaum.** Cryopreservation with sucrose maintains normal physical and biological properties of human plasma low density lipoproteins 1551
Ruotolo, Giacomo, Huizhen Zhang, Vitaly Bentsianov, and **Ngoc-Anh Le.** Protocol for the study of the metabolism of retinyl esters in plasma lipoproteins during postprandial lipemia 1541
Russ, Andreas. See *Ruzicka et al.* 1563
Russell, J. C. See *Shillabeer et al.* 31
Rustan, Arild C. See *Ranheim et al.* 1281
Ruzicka, Viktor, Winfried März, Andreas Russ, and **Werner Gross.** Apolipoprotein B(Arg^{3500}→Gln) allele specific polymerase chain reaction: large-scale screening of pooled blood samples 1563

Ryan, Robert O., Cyril M. Kay, Kim Oikawa, Hu Liu, Roger Bradley, and **Douglas G. Scraba.** Effect of particle lipid content on the structure of insect lipophorins 55
Rye, Kerry-Anne, Karin H. Garrety, and **Philip J. Barter.** Changes in the size of reconstituted high density lipoproteins during incubation with cholesteryl ester transfer protein: the role of apolipoproteins 215
Rymaszewski, Michal. See *Sprecher et al.* 859

S

Saffari, Bahman, John M. Ong, and **Philip A. Kern.** Regulation of adipose tissue lipoprotein lipase gene expression by thyroid hormone in rats 241
——. See *Simsolo et al.* 89
Sagami, Hiroshi, Akira Kurisaki, Kyozo Ogura, and **Tadeusz Chojnacki.** Separation of dolichol from dehydrodolichol by a simple two-plate thin-layer chromatography 1857
Saïle, R. See *Leroy et al.* 889
Saito, Megumi. See *Pal et al.* 411
Saito, Shintaro. See *Tamai et al.* 1351
Salem, Norman, Jr. See *Pawlosky, Sprecher, and Salem* 1711
Salen, Gerald, Sarah Shefer, Lien Nguyen, Gene C. Ness, G. S. Tint, and **Virgie Shore.** Sitosterolemia 945
——. See *Batta et al.* 1403
——. See *Shefer et al.* 1193
Santamarina-Fojo, Silvia. See *Parrott et al.* 361
Sastry, Rajeswari. See *Lamon-Fava et al.* 831
Savolainen, Markku J. See *Hannuksela et al.* 737
Sawyer, William H. See *Li and Sawyer* 503
Scaccini, C., M. Nardini, M. D'Aquino, V. Gentili, M. Di Felice, and **G. Tomassi.** Effect of dietary oils on lipid peroxidation and on antioxidant parameters of rat plasma and lipoprotein fractions 627
Schaefer, Ernst J. See *Hennessy et al.* 351
——. See *Lichtenstein et al.* 907
Schaefer, Juergen R. See *Rader et al.* 755
Schäfer Elinder, Liselotte, and **Göran Walldius.** Simultaneous measurement of serum probucol and lipid-soluble antioxidants 131
Scheibner, Jürgen. See *Fuchs et al.* 1383
Schellekens, Marc M. See *Gerritse et al.* 273
Schmitt, Jeffrey D. See *Parks, Thuren, and Schmitt* 879
Schonfeld, Gustav. See *Krul et al.* 1037
——. See *Levy et al.* 1005
Schor, D. S. M. See *ten Brink et al.* 41
——. See *ten Brink et al.* 1449
Schotz, Michael C. See *Sprecher et al.* 859
Schroepfer, George J., Jr. See *Herz et al.* 579
——. See *Swaminathan et al.* 1503
Schteingart, Claudio D. See *Hofmann et al.* 599
——. See *Gu et al.* 635
Schultz, Charles J. See *Masuno et al.* 1343
Schumaker, Verne N. See *Spring et al.* 233
Scita, Giorgio. See *Kagan et al.* 385
Scoble, John E. See *Imai et al.* 473
Scow, Robert O. See *Masuno et al.* 1343
Scraba, Douglas G. See *Ryan et al.* 55
Seagrave, Richard C. See *Kuan et al.* 1619
Seftel, Harry C. See *Rubinsztein et al.* 1647
Segrest, Jere P., Martin K. Jones, Hans De Loof, Christie Brouillette, Y. V. Venkatachalapathi, and **G. M. Anantharamaiah.** The amphipathic helix in the exchangeable apolipoproteins: a review of secondary structure and function 141
——. See *Jones, Anantharamaiah, and Segrest* 287
Seishima, Mitsuru, Hidenori Torizawa, Yasutoshi Muto, and **Akio Noma.** Increased serum apoA-IV concentrations in experimental uremic rats 1441
Semenkovich, Clay F. See *Ishimura-Oka et al.* 745
——. See *Levy et al.* 1005
Serbinova, Elena A. See *Kagan et al.* 385
Setchell, Kenneth D. R. See *Hofmann et al.* 599
Shachter, Neil. See *Ishimura-Oka et al.* 745
Shefer, Sarah, Lien B. Nguyen, Gerald Salen, Gene C. Ness, Indu R. Chowdhary, Susan Lerner, Ashok K. Batta, and **G. Stephen Tint.** Differing effects of cholesterol and taurocholate on steady state hepatic HMG-CoA reductase and cholesterol 7α-hydroxylase activities and mRNA levels in the rat 1193
——. See *Batta et al.* 1403
——. See *Salen et al.* 945
Shigenaga, Judy K. See *Feingold et al. 1765*
Shillabeer, G., J. Hornford, J. M. Forden, N. C. W. Wong, J. C. Russell, and **D. C. W. Lau.** Fatty acid synthase and adipsin mRNA levels in obese and lean JCR:LA-cp rats: effect of diet 31
Shimada, Masako. See *Gotoda et al.* 1067
Shimano, Hitoshi. See *Gotoda et al.* 1067
Shimizu, S. See *Domingo et al.* 1419
Shore, Virgie. See *Salen et al.* 945
Sidoli, Alessandro. See *Fantappiè et al.* 1111
Siest, Gérard. See *Zaiou et al.* 1061
Simoni, Patrizia. See *Roda et al.* 1393
Simsolo, Rosa B., John M. Ong, Bahman Saffari, and **Philip A. Kern.** Effect of improved diabetes control on the expression of lipoprotein lipase in human adipose tissue 89
——, **John M. Ong,** and **Philip A. Kern.** Characterization of lipoprotein lipase activity, secretion, and degradation at different steps of post-translational processing in primary cultures of rat adipocytes 1777
Singh, Harmeet, Michael Brogan, David Johnson, and **Alf Poulos.** Peroxisomal β-oxidation of branched chain fatty acids in human skin fibroblasts 1597
Sjövall, Jan. See *Hofmann et al.* 599
Skarlatos, Sonia I. See *Lohse et al.* 1583
Skretting, Grethe. See *Staels et al.* 727
Small, Donald M. See *Herscovitz et al.* 791
Smirnov, V. N. See *Orekhov et al.* 805
Smith, Louis C. See *Ishimura-Oka et al.* 745
——. See *Mowri et al.* 1269
Sobenin, I. A. See *Orekhov et al.* 805
Sonnino, Sandro, Domenico Acquotti, Gunther Kirschner, Antonio Uguaglianza, Luigi Zecca, Federico Rubino, and **Guido Tettamanti.** Preparation of lyso-GM1 ($II^3Neu5AcGgOse_4$-long chain bases) by a one-pot reaction 1221
Sorci-Thomas, Mary, Cynthia L. Hendricks, and **Mary W. Kearns.** HepG2 cell LDL receptor activity and the accumulation of apolipoprotein B and E in response to docosahexaenoic acid and cholesterol 1147
Soutar, A. K. See *Webb et al.* 689
Spady, David K. See *Woollett, Spady, and Dietschy* 77
Spaeth, Albert E. See *Masuno et al.* 1343
Sparks, C. E. See *Björnsson et al.* 1017
Sparks, Daniel L., and **Michael C. Phillips.** Quantitative measurement of lipoprotein surface charge by agarose gel electrophoresis 123
Sparks, J. D. See *Björnsson et al.* 1017
Sprecher, Dennis L., Junji Kobayashi, Michal Rymaszewski, Ira J. Goldberg, Betsy V. Harris, Paul S. Bellet, Detlev

Ameis, Remy L. Yunker, Donald M. Black, Evan A. Stein, Michael C. Schotz, and **Dan A. Wiginton.** $Trp^{64} \rightarrow$ nonsense mutation in the lipoprotein lipase gene 859
Sprecher, Howard. See *Furth et al.* 1719
——. See *Pawlosky, Sprecher, and Salem* 1711
Spring, Denise J., Sun-Min Lee, Donald L. Puppione, Martin Phillips, John Elovson, and **Verne N. Schumaker.** Identification of a neutral lipid core in a transiently expressed and secreted lipoprotein containing an apoB-48-like apolipoprotein 233
Staels, Bart, Arie van Tol, Grethe Skretting, and **Johan Auwerx.** Lecithin:cholesterol acyltransferase gene expression is regulated in a tissue-selective manner by fibrates 727
Stange, Eduard F. See *Fuchs et al.* 1383
Staprans, Ilona. See *Feingold et al.* 1765
Stark, Ruth E. See *Wang et al.* 431
Stein, Evan A. See *Sprecher et al.* 859
Steinberg, Daniel. Aspen Bile Acid/Cholesterol Conference 1991. Report of a Conference 937
Stellaard, F. See *ten Brink et al.* 41
Stenson, William F. See *Levin et al.* 9
——. See *Riehl, Turk, and Stenson* 323
Stevens, Robert D., Anthony A. Ribeiro, Leon Lack, and **Paul G. Killenberg.** Proton magnetic resonance studies on the aggregation of taurine-conjugated bile salts 21
Stewart, Jeanne. See *Kuan et al.* 1619
Stocks, J., J. A. Thorn, and **D. J. Galton.** Lipoprotein lipase genotypes for a common premature termination codon mutation detected by PCR-mediated site directed mutagenesis and restriction digestion 853
Stolz, A. See *Yoshida et al.* 343
Stone, Bradford G., and **C. Dean Evans.** Evidence for a common biliary cholesterol and VLDL cholesterol precursor pool in rat liver 1665
——. See *Gebhard et al.* 1459
Story, Jon A. See *Everson et al.* 1183
Strandvik, Birgitta. See *Nilsson, Hjelte, and Strandvik* 1295
Stribrna, Jarmila. See *Dobiasova et al.* 1411
Stuart, William D. See *Burkey, Stuart, and Harmony* 1517
Stucchi, Arthur F. See *Hennessy et al.* 351
Sukumaran, Dinesh K. See *Dick et al.* 605
Sun, Jian Min. See *Delcuve, Sun, and Davie* 251
Sun, X-M. See *Webb et al.* 689
Surette, M. E., J. Whelan, G-P. Lu, K. S. Broughton, and **J. E. Kinsella.** Dependence on dietary cholesterol for n-3 polyunsaturated fatty acid-induced changes in plasma cholesterol in the Syrian hamster 263
Suzuki, Toshihide. See *Miyazawa et al.* 1051
Swaminathan, Shankar, Frederick D. Pinkerton, Satoshi Numazawa, William K. Wilson, and **George J. Schroepfer, Jr.** Inhibitors of sterol synthesis. Chemical syntheses and spectral properties of 3β-hydroxy-5α-cholesta-8(14),24-dien-15-one, 3β-25-dihydroxy-5α-cholest-8(14)-en-15-one, and 3β,24-dihydroxy-5α-cholest-8(14)-en-15-one and their effects on 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in CHO-K1 cells 1503
——. See *Herz et al.* 579
Syvänne, M. See *Tilly-Kiesi et al.* 333

T

Takagi, Yutaka. See *Holleran et al.* 1201
Takayama-Abe, Kumiko. See *Tamai et al.* 1351
Takeda, Toshio. See *Higuchi et al.* 1753
Talkad, Venugopal D. See *Levin et al.* 9
Tall, Alan R. See *Moulin et al.* 1817
Tallapaka, Lalitha. See *Kasim et al.* 1
Tamai, Yoichi, Hisako Kojima, Shintaro Saito, Kumiko Takayama-Abe, and **Hajime Horichi.** Characteristic distribution of glycolipids in gadoid fish nerve tissues and its bearing on phylogeny 1351
Tanaka, Akira. See *Campos et al.* 369
Tanaka, Kay. See *Coates and Tanaka* 1099
Tartar, A. See *McConathy et al.* 995
Taskinen, M-R. See *Tilly-Kiesi et al.* 333
Tauber, Gisela. See *Fuchs et al.* 1383
Taylor, Benjamin A. See *Hwa et al.* 711
Taylor, John M. See *Jackson et al.* 1307
ten Brink, H. J., D. S. M. Schor, R. M. Kok, B. T. Poll-The, R. J. A. Wanders, and **C. Jakobs.** Phytanic acid α-oxidation: accumulation of 2-hydroxyphytanic acid and absence of 2-oxophytanic acid in plasma from patients with peroxisomal disorders 1449
——, **F. Stellaard, C. M. M. van den Heuvel, R. M. Kok, D. S. M. Schor, R. J. A. Wanders,** and **C. Jakobs.** Pristanic acid and phytanic acid in plasma from patients with peroxisomal disorders: stable isotope dilution analysis with electron capture negative ion mass fragmentography 41
Tercyak, Anna M. See *Herscovitz et al.* 791
Tertov, V. V. See *Orekhov et al.* 805
Tettamanti, Guido. See *Sonnino et al.* 1221
Thibault, Louise. See *Levy, Thibault, and Ménard* 1607
Thorn, J. A. See *Stocks, Thorn, and Galton* 853
Thuren, Tom Y. See *Parks, Thuren, and Schmitt* 879
Tilly-Kiesi, M., M. Syvänne, T. Kuusi, S. Lahdenperä, and **M-R. Taskinen.** Abnormalities of low density lipoproteins in normolipidemic type II diabetic and nondiabetic patients with coronary artery disease 333
Tint, G. S. See *Hofmann et al.* 599
——. See *Salen et al.* 945
——. See *Shefer et al.* 1193
Tomassi, G. See *Scaccini et al.* 627
Ton-Nu, Huong-Thu. See *Gu et al.* 635
Torizawa, Hidenori. See *Seishima et al.* 1441
Traber, Maret G., Graham W. Burton, Lise Hughes, Keith U. Ingold, Hideki Hidaka, Mary Malloy, John Kane, Jeffrey Hyams, and **Herbert J. Kayden.** Discrimination between forms of vitamin E by humans with and without genetic abnormalities of lipoprotein metabolism 1171
Tsujita, Takahiro. See *Okuda, Morimoto, and Tsujita* 225
Turk, J. See *Riehl, Turk, and Stenson* 323

U

Uboldi, Patrizia. See *Fantappiè et al.* 1111
Uguaglianza, Antonio. See *Sonnino et al.* 1221
Ullrich, John W. See *Amin et al.* 1657

V

Vaccari, Chiara. See *Roda et al.* 1393
van Berkel, Theo J. C. See *de Rijke et al.* 1315
van den Bosch, H. See *van Wijk, Hostetler, and van den Bosch* 1211
Van den Eijnden, Mark. See *Weers et al.* 485
van den Heuvel, C. M. M. See *ten Brink et al.* 41
Van der Horst, Dick J. See *Weers et al.* 485
Van der Palen, J. G. P. See *Meijer et al.* 281
Van der Voort, H. A. See *Meijer et al.* 281

van der Westhuyzen, Deneys R. See *Rubinsztein et al.* 1647
Van Doorn, Jan M. See *Weers et al.* 485
van Gent, Teus. See *Kilsdonk et al.* 1373
Van Marrewijk, Wil J. A. See *Weers et al.* 485
van Tol, Arie. See *Kilsdonk et al.* 1373
——. See *Staels et al.* 727
van Wijk, G. M. T., K. Y. Hostetler, and **H. van den Bosch.** Antiviral nucleoside diphosphate diglycerides: improved synthesis and facilitated purification 1211
Van Zutphen, L. F. M. See *Meijer et al.* 281
Vega, Gloria L. See *Farese et al.* 569
——. See *Gylling, Vega, and Grundy* 1527
Venkatachalapathi, Y. V. See *Segrest et al.* 141
Via, David P. See *Blanco-Vaca et al.* 1785
——. See *Orekhov et al.* 805
v. Ierssel, Gonny. See *Gerritse et al.* 273
Visvikis, Athanase. See *Zaiou et al.* 1061
Visvikis, Sophia. See *Zaiou et al.* 1061
Vlahcevic, Z. Reno. See *Hofmann et al.* 599
——. See *Pandak et al.* 659
Vranizan, Karen M. See *Williams, Vranizan, and Krauss* 765

W

Wagner, R. Doug. See *Krul et al.* 1037
Walldius, Göran. See *Karpe et al.* 975
——. See *Schäfer, Elinder, and Walldius* 131
Wanders, R. J. A.. See *ten Brink et al.* 41
——. See *ten Brink et al.* 1449
Wang, C-S. See *McConathy et al.* 995
Wang, Dehua, Nasser L. Hadipour, Erin A. Jerlin, and **Ruth E. Stark.** Quantitation of model digestive mixtures by ^{13}C NMR 431
Wang, Tao, Wen-gui Yu, and **William S. Powell.** Formation of monohydroxy derivatives of arachidonic acid, linoleic acid, and oleic acid during oxidation of low density lipoprotein by copper ions and endothelial cells 525
Warden, Craig H. See *Hwa et al.* 711
Webb, J. C., X-M. Sun, D. D. Patel, S. N. McCarthy, B. L. Knight, and **A. K. Soutar.** Characterization of two new point mutations in the low density lipoprotein receptor genes of an English patient with homozygous familial hypercholesterolemia 689
Weers, Paul M. M., Dick J. Van der Horst, Wil J. A. Van Marrewijk, Mark Van den Eijnden, Jan M. Van Doorn, and **A. M. T. Beenakkers.** Biosynthesis and secretion of insect lipoprotein 485
Weinberg, Richard B. See *Bielicki et al.* 1699
Weisgraber, Karl H. See *Handelmann et al.* 1677
Wetzel, Mary G. See *Li, Wetzel, and O'Brien* 529
Wheelan, Pat, Joseph A. Zirrolli, and **Keith L. Clay.** Analysis of glycerophosphocholine molecular species as derivatives of 7-[(chlorocarbonyl)-methoxy]-4-coumarin 111
Whelan, J. See *Surette et al.* 263
Wiginton, Dan A. See *Sprecher et al.* 859
Wilcox, Henry G. See *Fungwe et al.* 179
Williams, Mary L., Gopinathan K. Menon, and **Karen P. Hanley.** HMG-CoA reductase inhibitors perturb fatty acid metabolism and induce peroxisomes in keratinocytes 193
Williams, Paul T., Karen M. Vranizan, and **Ronald M. Krauss.** Correlations of plasma lipoproteins with LDL subfractions by particle size in men and women 765
Williams, Roger R. See *Pullinger et al.* 699
Wilson, William K. See *Herz et al.* 579
——. See *Swaminathan et al.* 1503
Windler, Eberhard. See *Jäckle et al.* 419
Wollheim, Claes B. See *Maechler et al.* 1475
Wong, N. C. W. See *Shillabeer et al.* 31
Wong, Paul. See *Levy et al.* 1005
Wood, Ladonna C. See *Jackson et al.* 1307
Woollett, Laura A., David K. Spady, and **John M. Dietschy.** Saturated and unsaturated fatty acids independently regulate low density lipoprotein receptor activity and production rate 77

Y

Yamada, Nobuhiro. See *Gotoda et al.* 1067
Yang, Chao-yuh. See *Blanco-Vaca et al.* 1785
Yasuda, Keiichi. See *Miyazawa et al.* 1051
Yazaki, Yoshio. See *Gotoda et al.* 1067
Yoshida, H., M. Yusin, I. Ren, J. Kuhlenkamp, T. Hirano, A. Stolz, and **N. Kaplowitz.** Identification, purification, and immunochemical characterization of a tocopherol-binding protein in rat liver cytosol 343
Yoshii, Michiko. See *Miki et al.* 1629
Yost, Trudy J. See *Glaser, Yost, and Eckel* 209
Young, Stephen G. See *Farese et al.* 569
Yu, Robert K. See *Pal et al.* 411
Yu, Wen-gui. See *Wang, Yu, and Powell* 525
Yun, Jaime. See *De Caprio, Yun, and Javitt* 441
Yunker, Remy L. See *Sprecher et al.* 859
Yusin, M. See *Yoshida et al.* 343

Z

Zaiou, Mohamed, Sophia Visvikis, Athanase Visvikis, and **Gérard Siest.** A rapid and reliable method for direct genotyping of codon 360 in the human apolipoprotein A-IV gene 1061
Zanelli, Tiziano. See *Fantappiè et al.* 1111
Zannis, Vassilis I. See *Herscovitz et al.* 791
Zecca, Luigi. See *Sonnino et al.* 1221
Zech, Loren A. See *Rader et al.* 755
Zegers, Netty D. See *Gerritse et al.* 273
Zhang, Huizhen. See *Ruotolo et al.* 1541
Zhou, Xi, and **Gilbert Arthur.** Improved procedures for the determination of lipid phosphorus by malachite green 1233
Zirrolli, Joseph A. See *Wheelan, Zirrolli, and Clay* 111
Zock, Peter L., and **Martijn B. Katan.** Hydrogenation alternatives: effects of *trans* fatty acids and stearic acid versus linoleic acid on serum lipids and lipoproteins in humans 399
——. See *Mensink et al.* 1493
Zollman, Susan. See *Hwa et al.* 711

SUBJECT INDEX

VOLUME 33 NUMBERS 1–12

A

A23187: Effect of on triacylglycerol synthesis by cultured rat hepatocytes 1017
Absorption: Of dietary eicosapentaenoic and arachidonic acids in a fish oil emulsion 1295
ACAT: *see* **Acyl coenzyme A:cholesterol acyltransferase**
Acidity constants: Of bile acids 49
Acyl chain length: Influence of, on distribution of PC species between micelles and vesicles in gallbladder bile 1485
Acyl chain unsaturation: Influence of, on distribution of PC species between mixed micelles and vesicles in gallbladder bile 1485
Acyl coenzyme A:cholesterol acyltransferase: Intestinal, role of in hyperresponse of diabetic rats to dietary cholesterol 1475
Adipocytes
Glycerolipid synthesis in 669
Primary cultures of, characterization of LPL activity, secretion, and degradation in 1777
Adipocytes, 3T3-L1: Inhibition of synthesis of active LPL in, by castanospermine 1343
Adipose tissue
Genetic regulation of fatty acid synthetase expression in 679
Human, expression of LPL in, effect of improved diabetes control 89
LPL, regulation of gene expression by thyroid hormone in rats 241
Of retinol-deficient rats, effect of retinoids on nuclear retinoic acid receptors mRNA in 381
Adipsin: MRNA levels in obese and lean JCR:LA-cp rats, effect of diet 31
African green monkeys: Cholesterol absorption in 559
Albumin, bovine serum: Palmitate binding to 1327
Alcohol: Effect of on concentration and activity of plasma CETP 737
Amidated bile acids: Determination by HPLC with evaporative light-scattering mass detection 1393
Amino acid sequence
Of insect yolk proteins and vertebrate lipases 777
Of rainbow trout apoA-I-1 and -2 251
Aminopropyl column: Rapid separation of serum lipids on 1871
Amphipathic anionic polypeptide, biliary
Epitope mapping of 1419
Similarity with calcium-binding protein from gallstones and bile 1419
Amphipathic α helical domains: Computer programs to identify and classify 287
Amphipathic α helix
In exchangeable apolipoproteins 141
Rules for termination of 141
Amplification refractory mutation system: For detection of apoB(Arg^{3500}→Gln) 1563
Antioxidant parameters: Of rat plasma and lipoprotein fractions, effect of dietary fat on 627
Antioxidant protection: Of LDL 385
Antioxidants, lipid soluble: And probucol, simultaneous measurement of 131
Antiviral nucleoside diphosphate diglycerides: Synthesis and purification 1211
APF: *see* **Amphipathic anionic polypeptide**
Apolipophorin: Synthesis by locust fat body 485
Apolipoprotein A-I
Crossreactivity with biliary amphipathic anionic polypeptide 1419
Gene, regulation of expression of 831
Gene, tissue-specific expression of, in avian and mammalian species 831
Genes, in trout liver and hepatocellular carcinoma, expression of 251
Hepatic MRNA in cebus monkeys, effects of dietary fat and cholesterol on 351
Human, expressed by transgenic mice 1639
In vitro cytolytic effects on *Trypanosoma brucei* 513
Movement from alpha HDL to pre-beta HDL with action of CETP 1807
Movement from pre-beta HDL to alpha HDL with action of LCAT 1807
Reduced concentrations associated with low HDL cholesterol in normolipidemic patients, mechanisms of 1527
Apolipoprotein A-I$_{Iowa}$: Associated with hypoalphalipoproteinemia and hereditary systemic amyloidosis 755
Apolipoprotein A-II
And apoD heterodimer, in human HDL 1785
Role of, in conversion of A-II containing HDL_2 into HDL_3 1269
Apolipoprotein A-IV
Gene expression, developmental and hormonal modulation of 1843
Gene, direct genotyping of codon 360 in 1061
Increased serum concentration in experimental uremia 1441
Apolipoprotein B
Accumulation in HepG2 cells in response to docosahexaenoic acid and cholesterol 1147
Defects in a kindred with hypobetalipoproteinemia 699
Hepatic mRNA in cebus monkeys, effects of dietary fat and cholesterol on 351
In LDL, flux rates in the guinea pig 1833
Levels during high and low cholesterol intake 1361
mRNA, developmental and hormonal modulation of 1843
mRNA, developmental and age-related changes in editing of 1753
mRNA, editing in rat liver 1843
Secretion in CaCo-2 cells 1281
Serum isoproteins, developmental and age-related changes 1753
Truncated, association with familial hypobetalipoproteinemia 569
VLDL, secretion in the hamster, decreased by inhibition of fatty acid synthesis 843

Apolipoprotein B (Arg^{3500}→Gln): Allele specific PCR, large-scale screening of pooled blood samples by 1563
Apolipoprotein B production: Abnormality in, lack of discrimination between tocopherols during absorption 1171
Apolipoprotein B variant, truncated 699
Apolipoprotein B-48: Kinetics in triglyceride-rich lipoproteins 907
ApoB-48-like apolipoprotein: Secretion of lipoprotein with, by HepG2 cells 233
Apolipoprotein B-61: In VLDL and LDL 689
Apolipoprotein B-75
A truncation of apoB 1037
Association with familial hypobetalipoproteinemia 1037
Apolipoprotein B-83: A truncated species of apoB, association with hypobetalipoproteinemia 569
Apolipoprotein B-100
Distinct areas on, relevant to LDL-receptor interaction 1111
Human, structural comparisons with rabbit $apoB_h$ 889
Kinetics in triglyceride-rich lipoproteins 907
Monoclonal antibody to, use of in isolation and quantitation of apoE-enriched TG-rich lipoproteins 369
Apolipoprotein B/E receptor: Expression of, in the guinea pig, effect of dietary saturated fatty acids 1833
Apolipoprotein B_h
Rabbit, structural comparison with human apoB-100 889
Rabbit, thrombin cleavage of 889
Apolipoprotein C-I: Amphipathic helical domains of 141
Apolipoprotein C-II
Deficiency 361
Premature termination mutation in, resulting in familial chylomicronemia 361
Apolipoprotein C-II gene: Mutations in 1823
Apolipoprotein $C\text{-}II_{Paris2}$: Premature termination mutation in apoC-II signal peptide 361
Apolipoprotein C-III
Effect of on LPL basal activity 995
Synthetic peptides of, inhibition of LPL by 995
Apolipoprotein D
And the lipocalin superfamily 957
Disulfide-linked heterodimers, in human plasma lipoproteins, characterization of 1785
Apolipoprotein E
Accumulation in HepG2 cells in response to docosahexaenoic acid and cholesterol 1147
Effect of, on the extension of neurites by rabbit dorsal root ganglion neurons in vitro 1677
Expression, association with increased secretion of lipids as vesicles and discs 791
Gene, premature stop codon in 1583
Hepatic MRNA in cebus monkeys, effects of dietary fat and cholesterol on 351
mRNA, levels in epidermis of hairless mice, effect of cutaneous permeability barrier disruption 1307
TG-rich lipoproteins enriched with, isolation from plasma with a monoclonal antibody to apoB-100 369
Apolipoprotein E phenotype
Effect of, on LDL and apoB metabolism during varying intakes of cholesterol 1361
Modulation of plasma TG levels by, a meta-analysis 447
Apolipoprotein E-2: (Arg_{158}→Cys) in human sera, direct immunoblot assay 273
Apolipoprotein $E\text{-}3_{Washington}$ (Trp_{210}→Amber): A truncated apoE associated with familial apoE deficiency and hyperlipoproteinemia type III 1583
Apolipoprotein J:
Hepatic, secreted as a lipoprotein 1517
Apolipoprotein J-lipoproteins: Secreted as a high molecular weight species by HepG2 cells 1517
Apolipoproteins
Efflux of lipids from fibroblasts to, dependence on levels of cellular unesterified cholesterol 1699
Interaction with membrane lipid domains 1091
Regulation of cholesterol efflux 1091
Role of, in change in size of reconstituted HDL incubated with CETP 215
Silver-enhanced RID assay of 1073
Simple electrophoresis method for preparation of 1084
Apolipoproteins, exchangeable: Secondary structure and function 141
Apolipoproteins, mutant: $ApoA\text{-}I_{Iowa}$, associated with hypoalphalipoproteinemia and hereditary systemic amyloidosis 755
Aqueous solubility: Of bile acids 617
Aqueous solubility constants: Of bile acids 49
Aqueous solution: Of cholesterol and hydroxysterols in 2-hydroxypropyl-β-cyclodextrin 441
Arachidonic acid
Dietary, incorporation into tissue lipids during absorption of a fish oil emulsion 1295
Esterification into cellular lipids 1431
Formation of monohydroxy derivatives of during LDL oxidation 525
Oxygenated derivatives of, metabolism by Caco-2 cells 323
Ascorbate: Role of in reduction of chromanoxyl radicals in LDL 385

B

Bacterial endosymbionts: Associated with bivalve gills 1797
BBM: *see* **Brush border membranes**
Bile acids: And sterol solubilization in 2-hydroxypropyl-β-cyclodextrin 441
Bile acid composition: In bile fistula hamsters infused with sulfonate analogues of chenodeoxycholic acid 1629
Bile acid conjugation: Role of in bile acid solubility and precipitation 617
Bile acid hydroxylation: Role of in bile acid solubility and precipitation 617
Bile acid kinetics: In hypercholesterolemic men, effect of dietary fiber on 1183
Bile acid malabsorption: Fecal bile acid composition in 1393
Bile acid secretion: In hamsters with an extracorporeal bile duct 1383
Bile acid synthesis
During varying cholesterol intake, relationship to apoE phenotype 1361
Effect of mevalonate, 25-OH cholesterol, and orotic acid on 1665
Effect of thyroid hormone on, in hypothyroid bile fistula rats 1467
In hypercholesterolemic men, effect of psyllium on 1183
Regulation of cholesterol 7α-hydroxylase 659
Bile Acid/Cholesterol Conference: A report 937
Bile acids
Aqueous solubility and acidity constants of 49
Determination by HPLC with evaporative light-scattering mass detection 1393
Formation of 455
Proposed nomenclature of 599

Solubility and precipitation in vitro and in vivo 617
Solubility of calcium salts of 635
Bile acids, sulfonated: Metabolism of, in the hamster 1629
Bile alcohols: Separation of by capillary gas–liquid chromatography 1403
Bile duct ligation: Effect of on lipid composition and transport function of kidney epithelial cells 473
Bile duct obstruction: In hypothyroid and T_3-treated hypothyroid rats, bile lipid composition in 1459
Bile fistula rat: In study of effect of thyroid hormone on biliary sterol secretion 1467
Bile pigment–lipoprotein complex: Amphipathic anionic polypeptide in 1419
Bile salts: Taurine-conjugated, aggregation, studied by PMR 21
Bile, gallbladder: Distribution of PC species between mixed micelles and phospholipid-cholesterol vesicles 1485
Biliary cholesterol: Precursor pool in rat liver 1665
Biliary cholesterol secretion: Effect of mevalonate, 25-OH cholesterol, and orotic acid on 1665
Biliary diversion, chronic: Effect on HMG-CoA reductase and cholesterol 7α-hydroxylase 659
Biliary sterol secretion: In the rat, effect of thyroid hormone 1459, 1467
Bilirubin: Solubility of 1123
Binding: Of cryopreserved LDL by human fibroblasts 1551
Bisphosphonates: For treatment of bone disorders, inhibition of squalene synthase and cholesterol biosynthesis by 1657
Bivalves: Fatty acid composition in 1797
Branched chain fatty acids: Peroxisomal β-oxidation of, in human skin fibroblasts 1597
Brush border membranes: Vesicles, lipid composition and transport function 473

C

C127 cells: Expression of human apoE in, associated with lipid secretion 791
Caco-2 cells
Lipid metabolism in 1281
Metabolism of oxygenated derivatives of arachidonic acid by 323
Secretion of lipoproteins by 1281
Trafficking of exogenous fatty acids within 9
CAD: *see* **Coronary artery disease**
Calcium antagonist: Effect of on triacylglycerol synthesis by cultured rat hepatocytes 1017
Calcium binding
To phospholipid 985
Calcium glycerophosphate: Structural study of 985
Calcium ions: Role of in bile acid solubility and precipitation 617
Calcium metabolism: Hepatic, relationship to VLDL secretion 1017
Calcium salts of bile acids: Solubility of 635
Calcium-binding protein: Isolated from gallstones and bile, similarity to APF 1419
Castanospermine
Inhibition of glucosidase I by, effect of on expression of LPL activity 1343
Inhibition of synthesis of active LPL by, in 3T3-L1 adipocytes 1343
Cell cholesterol: Tracking with cholesterol oxidase 315
Cell surface proteins: And binding to HDL 1335
Cellular fatty acid modification: Of endothelial cells, effect of, on cholesterol efflux rates 1373
Cellular interaction: Between n-3 and n-6 fatty acids 1431
Cellular localization: Of proteins that bind HDL 1335
Cerebrotendinous xanthomatosis 455
CETP: *see* **Cholesteryl ester transfer protein**
Chemical synthesis: Of $\Delta^{8(14)}$-15-ketosterols, inhibitors of sterol synthesis 1503
Chenodeoxycholic acid
Aqueous solubility and acidity constants of 49
Sulfonate analogues, chemical synthesis and metabolism of in the hamster 1629
Cholesterol
Effect of, on HMG-CoA reductase and 7α-hydroxylase activities and mRNA 1193
Effect of, on the extension of neurites by rabbit dorsal root ganglion neurons in vitro 1677
In LDL, effect of psyllium on levels of, in hypercholesterolemic men 1183
Intracellular transport 1239
Quantitation in cultured cells, using an enzymatic method and HPLC 931
Response to, of LDL receptor activity and accumulation of apoB and apoE in HepG2 cells 1147
Cholesterol 7α-hydroxylase
Hepatic mRNA, relationship with LDL receptor and HMG-CoA reductase mRNA 493
Regulation by taurocholate and mevalonate 659
Cholesterol 7α-hydroxylase activity: In human liver, relation to 12α-hydroxylase activity 1591
Cholesterol absorption
In African green monkeys, reduction by dietary oleinate and fish oil 559
Relation to LDL metabolism during varying cholesterol intake, effect of apoE phenotype 1361
Cholesterol biosynthesis
Abnormal regulation in sitosterolemia 945
Inhibition by bisphosphonates 1657
Cholesterol, cell: Tracking with cholesterol oxidase 315
Cholesterol, dietary
Dependence on, for n-3 PUFA-induced changes in plasma cholesterol 263
Regulation of hepatic secretion of VLDL by 179
Cholesterol efflux: From endothelial cells, effect of phospholipid fatty acid composition on 1373
Cholesterol esterification rate
In plasma depleted of VLDL and LDL 1411
In plasma from hypertensive and normal middle-aged men and septuagenarian men 1411
Cholesterol homeostasis: Mouse model for genetic control of 711
Cholesterol kinetics: In CBA/*J* and C57BR/*cdj* mice, effect of dietary fat 1619
Cholesterol oxidase: Tracking cell cholesterol with 315
Cholesterol quantitation: In cultured cells 931
Cholesterol synthesis
Relation to LDL metabolism during varying cholesterol intake, effect of apoE phenotype 1261
Whole-body, in rabbits, assessment of using serum lathosterol concentration 281
Cholesterol, unesterified
Cellular levels of, and efflux of lipids to apolipoproteins 1699
Effect of, on compartmentalization of a fluorescent cholesteryl ester in a lipid emulsion 503
Effect of on size and composition of microemulson 503

Cholesteryl ester
Accumulation and mobilization in Leydig tumor cells 1139
Movement through HDL 1807
Uptake by the liver, participation of hepatic lipase 1689
Cholesteryl ester, fluorescent: Compartmentation in a lipid emulsion, effect of unesterified cholesterol 503
Cholesteryl ester storage disease: Molecular effects of chronic lovastatin therapy on 1005
Cholesteryl ester transfer protein
Action, effects on movement of apoA-I from alpha HDL to pre-beta HDL 1807
Change in size of reconstituted HDL incubated with, role of apolipoproteins 215
Increased concentration in nephrotic syndrome 1817
Integrated information retrieval 957
Plasma, effect of alcohol on concentration and activity 737
Cholic acid
Aqueous solubility and acidity constants of 49
Solubility of 617
Chromatography, chemiluminescence high performance liquid: Of hydroperoxides of phosphatidylcholine and phosphatidylethanolamine in rat liver and brain 1051
Chromatography, gas-liquid capillary: Separation of bile alcohols by 1403
Chromatography, high performance liquid
Of retinyl esters 1541
With evaporative light-scattering mass detection, determination of free and amidated bile acids by 1393
Chromatography, thin-layer: Two-plate, separation of dolichol from dehydrodolichol 1857
Chylomicron remnant clearance: Human, characterization of, by retinyl palmitate 915
Chylomicron remnants: Regulation of hepatic removal of in the rat 419
Chylomicrons, remnant-like: Isolation and quantification in human plasma 369
Chylomicronemia, familial: Molecular basis of 1823
CL-277082: ACAT inhibitor, effect of, on plasma lipoprotein levels and tissue lipids in diabetic rats 1475
Comparative homology modeling 957
Compartmental model: For whole-body cholesterol movement 1619
Computational sequence analysis 957
Computer programs: To identify and classify amphipathic α helical domains 287
Conformation: Of LPL, studied with monoclonal antibodies 1165
Copper ion-stimulated oxidation: Of lipoproteins, effect of dietary oil on 627
Copper ions: Oxidation of LDL by 525
Copper oxidation: Of Lp[a] 1315
Coronary artery disease: Abnormalities of LDL in normolipidemic NIDDM and non-diabetic patients with 333
Cryopreservation: Of LDL with sucrose 1551
Cultured cells: Quantitation of cholesterol in, using an enzymatic method and HPLC 931
Cutaneous permeability barrier disruption: Effect of, on HMG-CoA reductase, LDL receptor, and apoE mRNA levels in epidermis 1307
Cyclic AMP: Production in rat fat cells, relationship with forskolin-induced lipolysis 225
Cytokines: Possible role in lipid metabolism 1765

D

Dehydrodolichol: Separation from dolichol by two-plate TLC 1857
Deoxycholic acid
Aqueous solubility and acidity constants of 49
Solubility of 617
Desaturation: Of deuterated linoleic and linolenic acids 1711
Dexamethasone: Effect on apoB mRNA editing and expression of apoA-IV in the rat 1843
Diabetes
Improved control of, effect on expression of LPL in human adipose tissue 89
Type II, abnormal LDL in normolipidemic patients with 333
Diabetic rats: Role of intestinal ACAT activity in the hyperresponse to dietary cholesterol 1475
Dietary cholesterol
Dependence on, for n-3 PUFA-induced changes in plasma cholesterol 263
Effects of, on hepatic apoA-I, apoB, apoE, and LDL receptor mRNA levels in cebus monkeys 351
Hyperresponse to, in diabetic rats, role of intestinal ACAT 1475
Dietary fat
Effect of, on cholesterol movement between tissues 1619
Effect of on fatty acid synthase and adipsin mRNA levels in JCR:LA-cp rats 31
Effects of, on levels of hepatic apoA-I, apoB, apoE, and LDL receptor mRNA in cebus monkeys 361
Effects of, on liver lipids in cebus monkeys 351
Dietary fat saturation: Regulation of guinea pig LDL kinetics by 97
Dietary fiber: Effect of on LDL cholesterol levels and bile acid synthesis in hypercholesterolemic men 1183
Dietary oils: Effect of on lipid peroxidation and antioxidant capacity of lipoproteins 627
Dietary-genetic interaction: In the regulation of HMG-CoA reductase gene expression 711
Differentiation: In murine epidermis 1201
Diglycerides, nucleoside diphosphate: Antiviral, synthesis and purification 1211
Dihomogammalinolenic acid: Esterification into cellular lipids 1431
3α,7α-Dihydroxy-25-homo-5β-cholane-25-sulfonate: Chemical synthesis of, and metabolism in the hamster 1629
3α,7α-Dihydroxy-25-nor-5β-cholane-23-sulfonate: Chemical synthesis of, and metabolism in the hamster 1629
DNA polymorphism: In the human LPL gene 1067
DNA sequence variants: Of the LPL gene 1823
Docosahexaenoic acid
In the *sn*-2 position of synthetic PC species, effect on LCAT activity 879
Response to, of LDL receptor activity and accumulation of apoB and apoE in HepG2 cells 1147
Dolichol: Separation from dehydrodolichol by two-plate TLC 1857
Dorsal root ganglions: Extension of neurites by, in vitro, effects of apoE, β-VLDL, and cholesterol 1677
***Drosophila* egg proteins**
Amino acid sequence 777
Structure and evolution 167
Dyslipidemia: Of nephrotic syndrome 1817

Dyslipoproteinemia: ApoE deficiency, due to truncated $apoE_{Washington}$ 1583

E

EGF: *see* **Epidermal growth factor**
Eicosanoids: Formation from n-3 and n-6 fatty acids 1431
Eicosapentaenoic acid
Dietary, incorporation into tissue lipids during absorption of a fish oil emulsion 1295
Esterification into cellular lipids 1431
In the *sn*-2 position of synthetic PC species, effect on LCAT activity 879
Influence of, on secretion of lipoproteins in CaCo-2 cells 1281
Elaidic acid: Dietary, effect of on plasma lipoprotein lipids and Lp[a] 1029
Electron capture negative ion mass fragmentography: Quantitation of plasma pristanic and phytanic acids by 41
Electron microscopy
Of human fetal intestinal explants 1607
Of keratinocytes, effect of HMG-CoA reductase inhibitors 193
Electron microscopy, scanning: Of monolayer CaCo-2 cells 1281
Electrophoresis
Of lipoproteins, production of polyacrylamide gradient gels for 1877
Preparation of apolipoproteins by a simple and rapid method of 1084
Electrophoresis, agarose gel: Quantitative measurement of lipoprotein surface charge by 123
Elongation: Of deuterated linoleic and linolenic acids 1711
Endothelial cells
Fatty acid composition of phospholipids of, effect of on cholesterol efflux rate 1373
Interaction with human LDL, effect of LDL sialic acid content on 805
Intracellular lipid accumulation, effect of LDL sialic acid content on 805
Oxidation of LDL by 525
Endothelial cells, liver: Role in clearing LDL in hypercholesterolemic rabbits 867
Endotoxin: Induction of hypertriglyceridemia by 1765
Endotoxin-induced hypertriglyceridemia: Role of tumor necrosis factor and interleukin-1 1765
Enterohepatic circulation: In hamsters with an extracorporeal bile duct 1383
Enzyme kinetics: Of LPL 995
Enzymology of protein prenylation 1731
Epidermal growth factor: Modulation of human fetal intestinal lipids and lipoproteins by 1607
Epidermis, hairless mice: Effect of cutaneous permeability barrier disruption on HMG-CoA reductase, LDL receptor, and apoE mRNA 1307
Epidermis, mammalian: Permeability barrier of, lipid and protein structures in 301
Epitopes: For ten monoclonal antibodies to apoB-100 1111
Epitope mapping: Of the human biliary amphipathic anionic polypeptide 1419
Essential fatty acids: Negative ion GC-MS of 1711
Essential fatty acid deficiency: An in vitro model: HepG2 cells permanently maintained in lipid-free medium 1719
Essential fatty acid-deficient cell line: EFD-1, studies on cellular interaction between n-3 and n-6 fatty acids 1431
Ether lipids: Cytotoxic, NMR spectral analysis of 605
Evaporative light-scattering mass detection: With HPLC, determination of free and amidated bile acids by 1393
Evolutionary history: Of the lipase superfamily 167
Expression
Of apoA-I gene, regulation of 831
Of apoB mRNA in mouse liver and intestine 1753
Extracorporeal bile duct: In hamsters, bile acid secretion 1383

F

Familial apolipoprotein E deficiency: And type III hyperlipoproteinemia 1583
Familial chylomicronemia: Molecular basis of 1823
Familial chylomicronemia syndrome: Result of a premature termination mutation in apoC-II signal peptide 361
Familial defective apoB-100: Large-scale screening for 1563
Familial hypercholesterolemia
Point mutation in LDL receptor genes 689
$Proline_{665}$→leucine mutant LDL receptor in, in South Africans of Indian origin 1647
Familial hypobetalipoproteinemia: ApoB-75 in, genetic and kinetic studies 1037
Familial lipoprotein lipase deficiency: A missense mutation (Asp^{250}→Asn) in the LPL gene 745
Fat body: Locust, synthesis of apolipoproteins by 485
Fat cells: Rat, relationship between cyclic AMP production and forskolin-induced lipolysis 225
Fatty acid composition
In deep hydrothermal vent symbiotic bivalves 1797
Of endothelial cell phospholipids, effect of, on cholesterol efflux rates 1373
Fatty acid desaturation: Of n-3 and n-6 fatty acids 1431
Fatty acid elongation: Of n-3 and n-6 fatty acids 1431
Fatty acid metabolism: In Caco-2 cells 9
Fatty acid oxidation: Mitochondrial, inherited defects of 1099
Fatty acid synthase: mRNA levels, in obese and lean JCR:LA-cp rats, effect of diet 31
Fatty acid synthesis: Inhibition of, in the hamster, effect on VLDL secretion 843
Fatty acid synthetase: Expression in adipose tissue, genetic regulation of 679
Fatty acids
Exogenous, trafficking in CaCo-2 cells 9
Inhibition of LCAT by 1863
Regulation of LDL receptor activity and production rate by 77
Fatty acids, *cis*: Dietary, effect of, on serum Lp[a] levels in humans 1493
Fatty acids, n-3
Dietary, effect on composition of LDL 647
Transport from the intestine to the retina, in the rat 539
Fatty acids; n-3 and n-6
Cellular interaction between 1431
Conversion to eicosanoids 1431
Fatty acids, n-7: In symbiotic bivalves 1797
Fatty acids, *trans*
Dietary, effect of on plasma lipoprotein lipids and Lp[a] 1029
Dietary, effect of, on Lp[a] levels in humans 1493
Effects of on serum lipids and lipoproteins in humans 399
Fatty acids, unsaturated: Formation of monohydroxy derivatives of during LDL oxidation 525
Fetal bile acid composition: In healthy subjects and patients with bile acid malabsorption 1393
Fetus, human: Intestinal lipids and lipoproteins in, modulation by EGF 1607
FFA: *see* **Free fatty acids**

Fibrates: Regulation of LCAT gene expression by, in a tissue-selective manner 727
Fibroblasts
Efflux of lipid from, to apolipoproteins, dependence on levels of cellular unesterified cholesterol 1699
Sterol regulation of HMG-CoA reductase and synthase mRNA in 1157
Fish oil emulsion: Absorption of eicosapentaenoic and arachidonic acid in 1295
Fish oil, dietary: Reduction of cholesterol by, in African green monkeys 559
Fluindostatin
Effect on lipid metabolism in cultured keratinocytes 193
Induction of peroxisomes in keratinocytes by 193
Fluorescence assay: Of LCAT 1863
Fluorescence probe: Cholesteryl ester 503
Fluvastatin 1569
Forskolin: Induction of lipolysis by, in rat fat cells 225
Fractional catabolic rate: Of guinea pig LDL, effect of dietary fat 97
Free fatty acids: Relation to LPL in plasma after a fat load 975

G

Gadoid fishes: Distribution of glycolipids in nerve tissues of 1351
Galactosyl glycerides, sulfate esters of: In gadoid fish nerve tissues 1351
Galactosylceramide
Containing ω-amino fatty acids, acceptor for sulfotransferase 1227
Containing ω-amino fatty acids, preparation and characterization 1227
α-Galactosyltransferase activity: In rat pheochromocytoma cells 411
Gallstones 1485
Gangliosides
Deacylation 1221
Preparation of lysoGM1 by a one-pot reaction 1221
Gas chromatography-mass spectrometry: Detection of desaturated and chain-elongated products of deuterated linoleic and linolenic acids by 1711
GC-MS: *see* **Gas chromatography-mass spectrometry**
Gene
ApoA-I, regulation of expression in avian and mammalian species 831
ApoA-IV, direct genotyping of codon 360 of 1061
Hamster LDL receptor, structure of 549
LPL, missense mutation (Aps^{230}→Asn) in familial LPL deficiency 745
LPL, mutations in 1823
LPL, Trp^{64}→nonsense mutation in 859
Gene amplification: Detection of DNA polymorphism in the human LPL gene by 1067
Gene expression
ApoA-IV, developmental and hormonal modulation of 1843
LCAT, regulation in a tissue-selective manner by fibrates 727
Of adipose tissue LPL in rats, regulation by thyroid hormone 241
Of HMG-CoA reductase, dietary-genetic interaction in regulation of expression 711
Of rainbow trout apoA-I genes, in trout liver and hepatocellular carcinoma 251
Gene overtranscription: Of a fatty acid synthetase in genetically obese rats 679
Genetic disorders: In hypobetalipoproteinemia 699
Genetic-dietary interaction: In the regulation of HMG-CoA reductase gene expression 711
Genetically obese rats: Regulation of expression of fatty acid synthetase in 679
Genotypes, lipoprotein lipase: For a common termination codon mutation 853
β-Glucocerebrosidase: Activity in murine epidermis 1201
D-Glucose transport: In BBM vesicles from bile duct-ligand rats 473
Glucose uptake: And incorporation into adipocyte lipids 669
β-Glucosidase: Activity, in murine tissues 1201
Glyceride digestion: Use of ^{13}C NMR for investigation of chemistry of 431
Glyceride synthesis: In adipocytes, kinetics of 669
Glycerolipid synthesis: In isolated adipocytes 669
Glycerophosphocholine molecular species: Analysis as derivatives of 7-[(chlorocarbonyl)-methoxy]-4-methyl-coumarin 111
Glycolipids: Characteristic distribution of, in gadoid fish nerve tissues 1351
Glycosylation: Of LPL 1777
Glycoglycerolipids: In fish nerve membranes 1351
Golgi apparatus: Role in cholesterol transport 1239

H

HDL: *see* **High density lipoproteins**
Heparin affinity: Of LPL, studied with monoclonal antibodies 1165
Heparin proteoglycan-low density lipoprotein complexes: Uptake by cultured mouse macrophages 65
Heparin proteoglycans, soluble: Induction of LDL uptake by macrophages, by 65
Hepatic cholesterol metabolism: Effect of mevalonate, 25-OH cholesterol, and orotic acid on 1665
Hepatic lipase
Participation of, in uptake of cholesteryl esters by the liver 1689
Plasma, during oral fat tolerance test 975
Reactivity with HDL_2 subfractions 1269
Structure and evoluation 167
Hepatic lipid metabolism: Effect of endotoxin on 1765
Hepatic removal: Of chylomicron remnants and β-VLDL in the rat 419
Hepatic secretion: Of VLDL, regulation by dietary cholesterol 179
Hepatocyte cultures: Suppression of VLDL secretion in, by prostaglandin 1017
Hepatocytes: Hamster cultured, effect of inhibition of fatty acid synthesis on secretion of VLDL by 843
HepG2 cells
Accumulation of apoB and apoE in, in response to docosahexaenoic acid and cholesterol 1147
LDL receptor activity and LDL receptor MRNA abundance, effect of LDL with n-3 fatty acids on 647
LDL receptor activity in, in response to docosahexaenoic acid and cholesterol 1147
Permanently maintained in lipid-free medium, an in vitro model of essential fatty acid deficiency 1719
Secretion of apoJ-containing lipoproteins 1517
HepG2 cells, transfected: Secretion of lipoprotein containing an apoB-48-like apolipoprotein 233

Hereditary systemic amyloidosis: ApoA-I_{Iowa} associated with 755
High density lipophorin: In vitro synthesis by locust fat body 485
High density lipoprotein
ApoA-II–apoD heterodimers in 1785
Cellular localization and characterization of proteins that bind to 1335
Cholesterol efflux from plasma membrane to 1091
Cholesterol esterification rate in 1411
Cholesterol, physiologic mechanisms for reduced levels of apoA-I, in normolipidemic patients 1527
Different reactivities of HDL_2 subfractions with hepatic lipase 1269
In vitro cytolytic effects on *Trypanosoma brucei* 513
Lipids, metabolism of by rat liver 1689
Reconstituted, effect of incubation with CETP on size of 215
With pre-beta electrophoresis mobility 1807
High density lipoprotein subclasses: Proportion of HDL_2 and HDL_3, control of cholesterol esterification rate by, in VLDL- and LDL-depleted plasma 1411
High density lipoprotein-binding protein
Cellular localization and characterization of 1335
Lectin chromatography of 1335
High fat diet: Effect of, on plasma and liver lipid levels in diabetic rats 1475
HL: *see* **Hepatic lipase**
HMG-CoA reductase: *see* **3-Hydroxy-3-methylglutaryl coenzyme A reductase**
HPLC: *see* **Chromatography, high performance liquid**
Hydroperoxides, lipid: Determination by chemiluminescence HPLC 1051
Hydroxyeicosatetraenoic acids: Metabolism of, by CaCo-2 cells 323
7α-Hydroxylase: Hepatic, activity and mRNA level, effect of cholesterol and taurocholate on 1193
12α-Hydroxylase activity: In human liver, relative to cholesterol 7α-hydroxylase activity 1591
25-Hydroxylation: Of the steroid side-chain 455
27-Hydroxylation: Of the steroid side-chain 455
3-Hydroxy-3-methylglutaryl coenzyme A reductase
Gene, regulation of expression 1157
Hepatic mRNA levels, regulation in vivo 493
Hepatic, activity and mRNA level, effect of cholesterol and taurocholate on 1193
Inhibition by side-chain-functionalized $\Delta^{8(14)}$-15-ketosterols, in CHO-K1 cells 1503
Inhibitor of, lowering of triglyceride in the Zucker obese rat 1
Inhibitors of, effect of on fatty acid metabolism in cultured keratinocytes 193
Inhibitors of, induction of peroxisomes in cultured keratinocytes 193
mRNA level in epidermis of hairless mice, effect of cutaneous permeability barrier disruption 1307
3-Hydroxy-3-methylglutaryl coenzyme A reductase gene: Regulation of expression, genetic and dietary interaction 711
3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitors: Discovery and development 1569
3-Hydroxy-3-methylglutaryl coenzyme A synthase: Gene, regulation of expression 1157
2-Hydroxyphytanic acid: Accumulation of, in plasma from patients with peroxisomal disorders 1449
2-Hydroxypropyl-β-cyclodextrin: Bile acid and sterol solubilization in 441
Hypercholesterolemia
Diabetes-associated, role of intestinal ACAT in 1475
Effect of psyllium on LDL cholesterol and bile acid synthesis in 1183
Hypercholesterolemic rabbits: Role of Kupffer cells and liver endothelial cells in clearing LDL in 867
Hyperlipoproteinemia type III: And familial apoE deficiency 1583
Hypertensive therapy: Effect of, on fractional rate of cholesterol esterification 1411
Hypertriglyceridemia: Induction of, by endotoxin 1765
Hypoalphalipoproteinemia: ApoA-I_{Iowa} associated with 755
Hypobetalipoproteinemia: ApoB gene defects in 699
Hypobetalipoproteinemia, familial
ApoB-75 in, genetic and kinetic studies 1037
Association of apoB-83 with 569
Hypolipidemic drugs: Influence of, on hepatic LCAT gene expression 727
Hypothyroid rats: Study of biliary lipid secretion in 1459, 1467

I

Infantile Refsum's disease
Concentration of phytanic, pristanic, and 2-hydroxyphytanic acids in plasma 1449
Fatty acid β-oxidation by skin fibroblast suspensions in 1597
Inhibitors of sterol synthesis
Effects of, on HMG-CoA reductase activity in CHO-K1 cells 1503
15-Ketosterols 579
Insect lipophorins: Structure of 55
Insect lipoproteins: Biosynthesis and secretion 485
Insect yolk proteins: Sequence similarity with vertebrate lipases 777
Insulin: Effect of, on plasma cholesterol levels in diabetic rats 1475
Intestinal lipids: In the human fetus, modulation by EGF 1607
Intestinal lipoproteins: In the human fetus, modulation by EGF 1607
Intracellular cholesterol transport 1239
Isoforms: Of oxidized Lp[a], in vivo fate of scavenger recognition in rats 1315
Isolated perfused liver: In study of effect of thyroid hormone on biliary sterol secretion 1459

J

J774 murine macrophages: Defective catabolism of oxidized LDL by 819

K

Keratinocytes
Cultured, effect of HMG-CoA reductase inhibitors on lipid metabolism in 193
Cultured, induction of peroxisomes in, by HMG-CoA reductase inhibitors 193
Kernicterus 1123
$\Delta^{8(14)}$-15-Ketosterols: Chemical synthesis of and effects on HMG-CoA reductase activity in CHO-K1 cells 1503
Kidney epithelial cells: Lipid composition and transport function, in bile duct-ligated rats 473

Kinetic parameters
Of apoA-I and apoA-I_{Iowa} metabolism 755
Of apoA-I in normolipidemic patients with reduced apoA-I concentrations 1527
Of apoB-75 and apoB-100 in lipoproteins 1037
Of chylomicron remnant clearance in humans 915
Kinetics
Of apoB-100 and apoB-48 in triglyceride-rich lipoproteins, measured with [5,5,5-$^2H_3$]leucine 907
Of LDL apoB 1361
Of LDL in guinea pig plasma, regulation by dietary fat saturation 97
Kupffer cells
Recognition of oxidized Lp[a] by 1315
Role in clearing LDL in hypercholesterolemic rabbits 867

L

Lathosterol, serum: Concentration, relationship to whole-body cholesterol synthesis in rabbits 281
LDL: *see* **Low density lipoprotein**
Lecithin:cholesterol acyltransferase
Action, effects on movement of apoA-I from pre-beta HDL to alpha HDL 1807
Cholesterol esterification rate in HDL 1411
Fluorescence assay, using a water-soluble PC 1863
Regulation of gene expression by fibrates, in a tissue-selective manner 727
Lecithin:cholesterol acyltransferase activity: Inhibition by synthetic PC species containing 20:5 or 22:6 in the *sn*-2 position 879
Leydig tumor cells: Accumulation and mobilization of triglyceride and cholesteryl ester in 1139
Linoleic acid
Effects of on serum lipids and lipoproteins in humans 399
Formation of monohydroxy derivatives of during oxidation of LDL 525
Linoleic acid, deuterated: Desaturated and chain-elongated products of, detection by negative chemical ionization GC-MS 1711
Linolenic acid, deuterated: Desaturated and chain-elongated products of, detection by negative chemical ionization GC-MS 1711
Lipase superfamily
LPL, hepatic lipase, pancreatic lipase, and *Drosophila* egg protein 167
Structure and evolution 167
Lipases, vertebrate
Amino acid sequences 777
Sequence similarity with insect yolk proteins 777
Lipid composition
Of BBM vesicles from bile duct-ligated rats 473
Of high density lipophorin 485
Lipid content: Of lipophorins, effect on structure of 55
Lipid hydroperoxides
Determination by chemiluminescence HPLC 1051
Production of, effect of dietary oil on 627
Lipid metabolism
Effect of endotoxin on 1765
In CaCo-2 cells 1281
Lipid peroxidation
Effect of α-tocopherol supplementation on 899
Effect of dietary fat on 627
Lipid phosphorus: Determination using malachite green 1233
Lipid secretion: Associated with expression of human apoE in mouse C127 cells 791
Lipid structures: In the permeability of mammalian epidermis 301
Lipid synthesis: In cultured keratinocytes and fibroblasts 193
Lipids: Human serum, effects of *trans* fatty acids, stearic acid, and linoleic acid on 399
Lipids, serum: Rapid separation by a single aminopropyl column 1871
Lipocalin superfamily 957
Lipogenesis: In JCR:LA-cp rats 31
Lipogenesis, hepatic: Effect on apoB and apoA-IV gene expression 1843
Lipolysis: In rat fat cells, induced by forskolin, relationship with cyclic AMP production 225
Lipophorins, insect: Structure of 55
Lipopolysaccharide
Effect of, on serum tumor necrosis factor levels 1765
Induction of hypertriglyceridemia by 1765
Lipoprotein cholesterol secretion: By perfused liver from hypothyroid and T_3-treated hypothyroid rats 1459
Lipoprotein lipase
Active, expression and secretion, need for removal of distal glucose from oligosaccharide chain 1343
Active, inhibition of synthesis of by castanospermine, in 3T3-L1 adipocytes 1343
Adipose tissue, regulation of gene expression by thyroid hormone in rats 241
Characterization of activity, secretion, and degradation in primary cultures of rat adipocytes 1777
Gene, detection of DNA polymorphism in 1067
Human, relationship of activity, heparin affinity, and conformation 1165
In human adipose tissue, expression of, effect of improved diabetes control 89
In plasma after a fat load 975
Inhibition of activity by synthetic peptides of apoC-III 995
Post-translational processing 1777
Pre- and postheparin activities 209
Structure and evolution 167
Lipoprotein lipase activity
Expression of, effect of retention of glucose on oligosaccharide chains 1343
Preheparin, relationship to plasma lipoproteins and postheparin LPL activity 209
Lipoprotein lipase deficiency: Lack of discrimination between tocopherols during absorption 1171
Lipoprotein lipase gene
Missense (Asp^{250}→Asn) mutation in familial LPL deficiency 745
Mutations in 1823
Trp^{64}→nonsense mutation in 859
Lipoprotein lipase genotypes: For a common termination codon mutation 853
Lipoprotein lipase mutations: In normal and hypertriglyceridemic subjects 853
Lipoprotein lipids: Rat plasma, effect of dietary cholesterol on concentration of 179
Lipoprotein metabolism: Genetic abnormalities of, discrimination between forms of vitamin E in 1171
Lipoprotein surface charge: Quantitative measurement by agarose gel electrophoresis 123
Lipoprotein [a]
Oxidized, fate of isoforms of, in rats 1315
Plasma, changes with dietary elaidic acid 1029

Serum, effect of dietary *cis* and *trans* fatty acid levels on 1493
Lipoproteins
Containing apoB-75 and apoB-100, in vivo kinetics 1037
Human serum, effects of *trans* fatty acids, stearic acid, and linoleic acid on 399
Resolution by electrophoresis, production of polyacrylamide gradient gels for 1877
Secretion in CaCo-2 cells, influence of eicosapentaenoic acid on 1281
Lipoproteins, human plasma: Disulfide-linked heterodimers containing apoD 1785
Lipoproteins, insect: Biosynthesis and secretion 485
Lipoproteins, plasma: Relationship of preheparin LPL activity to 209
Liver: Cholesterol trafficking in 1239
Liver disease, experimental: Effect of on lipid composition and transport function of kidney epithelial cells 473
Liver lipids: In cebus monkeys, effects of dietary fat and cholesterol on 351
Lovastatin
Effect on lipid metabolism in cultured keratinocytes 193
Induction of peroxisomes in keratinocytes by 193
Lowering of triglyceride in the Zucker obese rat by 1
Lovastatin therapy: Chronic, molecular effects in cholesteryl ester storage disease 1005
Low density lipoprotein
Abnormalities of in NIDDM and non-diabetic patients with CAD 333
Antioxidant protection of 385
Binding to apoB/E receptor in guinea pig hepatic membranes 1833
Cholesterol, effect of psyllium on levels of, in hypercholesterolemic men 1183
Cholesterol, in the Syrian hamster, effect of dietary cholesterol and n-3 PUFA on 263
Clearance of in hypercholesterolemic rabbits, role of Kupffer and liver endothelial cells 867
Cryopreserved with sucrose, physical and biological properties 1551
From humans supplemented with n-3 fatty acids, effect of on LDL receptor activity in HepG2 cells 647
In a kindred with hypobetalipoproteinemia, apoB-61 in 699
Kinetics in the guinea pig, regulation by dietary fat saturation 97
Metabolism, during varying cholesterol intake, relation to apoE phenotype 1361
Metabolism, in the guinea pig, effect of dietary saturated fatty acids 1833
Oxidation of, formation of monohydroxy derivatives of unsaturated fatty acids 525
Oxidative modification, effect of dietary supplementation with α-tocopherol 899
Rabbit, digestion of $apoB_h$ with thrombin 889
Recycling of vitamin E in 385
Sialic acid content of, effect of on interaction with cell receptors 805
Subfractions, correlation with plasma lipoproteins 765
Treatment with sphingomyelinase 1741
Uptake by macrophages via scavenger receptor-mediated phagocytosis 65
Low density lipoprotein-heparin proteoglycan complexes: Uptake by cultured mouse macrophages 65
Low density lipoprotein, oxidized: Defective catabolism of by J774 mouse macrophages 819
Low density lipoprotein processing: Modulatory role of sphingomyelin 1741
Low density lipoprotein receptor
Activity and production rate, regulation of by fatty acids 77
Gene, regulation of expression 1157
Genes, in a subject with homozygous FH, point mutations in 689
Hepatic mRNA in cebus monkeys, effects of dietary fat and cholesterol on 351
Hepatic mRNA levels, regulation in vivo 493
Hepatic, effect of lovastatin in cholesteryl ester storage disease 1005
Interaction with apoB-100 1111
In the hamster, structure of 549
Mediation of hepatic removal of chylomicron remnants and β-VLDL in the rat 419
Modulation of activity of, in HepG2 cells 647
mRNA, in HepG2 cells 647
mRNA, levels in epidermis of hairless mice, effect of cutaneous permeability barrier disruption 1307
mRNA, regulation of in HepG2 cells 1147
$Proline_{664} \rightarrow$leucine mutant, in South Africans of Indian origin 1647
Structure of 689
Low density lipoprotein subclasses: And sex differences 765
Low density lipoprotein uptake: Modulatory role of sphingomyelin 1741
LPL: *see* **Lipoprotein lipase**
Lysoganglioside GM1: Preparation by a one-pot reaction 1221
Lysogangliosides: Preparation method of 1079
Lysophosphatidylcholine: Inhibition of LCAT by 1863
Lysosomal storage disease: Accumulation of saposins in tissues 1255

M

MA-10 cells: Accumulation and mobilization of triglyceride and cholesteryl ester in 1139
Macrophages
Interaction with human LDL, effect of LDL sialic content on 805
Intracellular lipid accumulation, effect of LDL sialic acid content on 805
Malachite green: Use of in determination of lipid phosphorus 1233
Mast cells, stimulated: Release of soluble heparin proteoglycans by 65
Membrane cholesterol domains 1091
Membranes: Cholesterol content of, determinant in ability of apolipoprotein to promote lipid removal from cells 1699
Meta-analysis: Modulation of plasma TG levels by apoE phenotype 447
Mevalonate: Regulation of cholesterol 7α-hydroxylase by 659
Mevastatin: Cholesterol-lowering activity, clinical trials, and inhibition of HMG-CoA reductase 1569
Microemulsions: Effect of incorporation of unesterified cholesterol on size and composition of 503
Minireview
Apolipoproteins, cholesterol domains, and the regulation of cholesterol efflux 1091
Computational sequence analysis 957
Molecular basis of mitochondrial fatty acid oxidation effects 1099
Sequence similarity between insect yolk proteins and vertebrate lipases 777
Sitosterolemia 945

Missense mutations
Asp^{250}→Asn, in the LPL gene in familial LPL deficiency 745
In the human LPL gene 1823
Mitochondrial fatty acid oxidation defects: Molecular basis of 1099
Mixed micelles: In human gallbladder bile, PC molecular species in 1485
Model digestive mixtures: Quantitation by ^{13}C NMR 431
Modulation of the low density lipoprotein-receptor interaction 1111
Molecular genetics: Of saposins 1255
Molecular species: Of glycerphosphocholines, analysis as derivatives of 7-[(chlorocarbonyl)-methoxy]-4-methylcoumarin 111
Monoclonal antibodies
Against rabbit apoB$_h$ 889
To human LDL, relevant to LDL-receptor interaction 1111
Use of in study of activity, heparin affinity, and conformation of LPL 1165
Monogalactosyl glycerides: In gadoid fish nerve tissue 1351
Monohydroxy derivatives: Of unsaturated fatty acids, formation during oxidation of LDL 525
Monounsaturated fatty acids, *trans*: Dietary, effect of on serum Lp[a] levels 1493
Murine epidermis: Characterization and localization of β-glucocerebrosidase activity in 1202
Mutations: In the LPL and apoC-II genes 1823
Myelin function: In gadoid fishes, relation to glycolipid composition of nerve tissues 1351

N

N-linked oligosaccharide chain: Of LPL, retention of glucose on, effect of on expression of LPL activity 1343
Nascent lipoprotein-like particles: Secretion by mouse C127 cells, associated with expression of human apoE 791
Neonatal adrenoleukodystrophy: Concentration of phytanic, pristanic, and 2-hydroxyphytanic acids in plasma 1449
Nephrotic syndrome: Increased concentration of CETP in 1817
Nerve membranes: Of gadoid fishes, characteristic distribution of glycolipids in 1351
Nerve regeneration 1677
Neurite branching: In vitro, effects of apoE, βVLDL, and cholesterol 1677
Neurite extension: By dorsal root ganglion neurons in vitro, effects of apoE, βVLDL, and cholesterol 1677
Neurite outgrowth 1677
Neutral lipid core: In a transiently expressed lipoprotein containing an apoB-48-like apolipoprotein 233
NIDDM: *see* **Non-insulin-dependent diabetes mellitus**
Niemann-Pick disease, type 2 1239
Nomenclature: Of bile acids 599
Non-insulin-dependent diabetes mellitus: Abnormal LDL in normolipidemic CAD patients with 333
Nonparenchymal liver cells: Role in clearing LDL in hypercholesterolemic rabbits 867
Nonsense mutation: In the LPL gene 859
Norepinephrine: Influence of on glycerolipid synthesis in adipocytes 669
Nuclear magnetic resonance
^{13}C, quantitation of model digestive mixtures by 431
Spectral analysis of cytotoxic ether lipids 605
Study of aggregation of taurine-conjugated bile salts by 21
Nucleoside diphosphate diglycerides: Antiviral, synthesis and purification 1211
Nucleotide sequence
Of rainbow trout apoA-I cDNA clones 251
Of the hamster LDL receptor mRNA 549
Partial of human apoA-IV gene 1061

O

Obesity
Kinetic parameters of apoA-I in 1527
Pathogenesis of in obese JCR:LA-cp rats 31
Oleate: Incubation with MA-10 Leydig tumor cells, accumulation of triglyceride 1139
Oleic acid
Dietary, effect of on plasma lipoprotein lipids and Lp[a] 1029
Formation of monohydroxy derivatives of during oxidation of LDL 525
Oleinate, dietary: Reduction of cholesterol absorption by, in African green monkeys 559
Oral fat tolerance test: Plasma levels of LPL, FFA, and HL 975
Oxidation, chemical: Of side-chain of sterols 579
α-Oxidation: Of phytanic acid 41, 1449
β-Oxidation: Of pristanic acid 41
β-Oxidation enzymes: Genes, biosynthesis and mitochondrial processing 1099
β-Oxidation, peroxisomal: Of branched chain fatty acids in human skin fibroblasts 1597
Oxidative modification
Of LDL, effect of dietary supplementation with α-tocopherol on 899
Of Lp[a] 1315
Oxidized low density lipoprotein: Defective catabolism of, by J774 murine macrophages 819
2-Oxophytanic acid: Absence of, in plasma from patients with peroxisomal disorders 1449
Oxygenated derivatives: Of arachidonic acid, metabolism by CaCo-2 cells 323

P

Palmitate monomer concentrations: In a biological system 1327
Palmitic acid: Water-phase, in equilibrium with albumin-bound palmitate 1327
Pancreatic lipase: Structure and evolution 167
Particle size: Of LDL subfractions, correlation with plasma lipoproteins 765
PC: *see* **Phosphatidylcholine**
PCR: *see* **Polymerase chain reaction**
Permeability barrier: Of mammalian epidermis, lipid and protein structures in 301
Peroxisomal disorder
Accumulation of 2-hydroxyphytanic acid and absence of 2-oxophytanic acid in plasma from patients with 1449
β-Oxidation of fatty acids by skin fibroblast suspensions 1597
Plasma pristanic acid and phytanic acid in 41
Peroxisomal β-oxidation: Of branched chain fatty acids in human skin fibroblasts 1597
Phagocytosis, scavenger: Receptor-mediated of LDL by macrophages 65
Phase behavior: Of bile acids, influence of structure of on 635

Phase maps: Of Na^+-Ca^{2+}-bile acid systems 635
Pheochromocytoma cells: Rat, α-galactosyltransferase activity in 411
Phosphatidylcholine
Molecular species, distribution between mixed micelles and phospholipid-cholesterol vesicles in bile 1485
Synthetic, containing 20:5 or 22:6 in the *sn*-2 position, inhibition of LCAT activity by 879
Water-soluble, use of in a fluorescence assay for LCAT 1863
Phosphatidylcholine hydroperoxide: Chemiluminescent determination of, in rat liver and brain 1051
Phosphatidylethanolamine hydroperoxide: Chemiluminescent determination of, in rat liver and brain 1051
Phospholipids
Binding to calcium 985
Cellular, efflux to apolipoproteins 1699
Composition of, in CaCo-2 cells 9
HDL, hydrolysis by hepatic lipase during uptake of cholesteryl esters 1689
In CaCo-2 cells, incorporation of fatty acids into 1281
Incorporation of dietary eicosapentaenoic and arachidonic acids into 1295
In endothelial cells, fatty acid composition of, effect of on cholesterol efflux rates 1373
Quantitation using malachite green 1233
Phospholipid-cholesterol vesicles: In human gallbladder bile, PC molecular species in 1485
Phosphorus, lipid: Determination using malachite green 1233
Phytanic acid
In plasma from patients with peroxisomal disorders 41
α-Oxidation of 1449
Pigment gallstone formation 1123
Plant steroids: Mechanism of degradation of the side-chain 455
Plant sterols: Accumulation in plasma and tissues 945
Plasma apolipoproteins: Silver-enhanced RID assay of 1073
Plasma cholesterol: In the Syrian hamster, n-3 PUFA-induced changes in 263
Plasma lipoprotein lipids: Effect of dietary elaidic and oleic acids 1029
Plasma lipoproteins
Correlation with LDL subfractions by particle size 765
In nephrotic syndrome 1817
In type IV hyperlipidemic patients 1817
Relationship of preheparin LPL activity to 209
Retinyl esters in, study of metabolism during postprandial lipemia 1541
Platelet-activating factor: Cytotoxic ether lipid analogs of, NMR spectral analysis 605
PMR: *see* **Proton magnetic resonance**
Point mutations: In LDL receptor genes 689
Polyacrylamide gradient gels: For electrophoretic resolution of lipoproteins, production of 1877
Polymerase chain reaction
Allele specific, method for rapid detection of apoB(Arg^{3500}→Gln) 1563
For detecting LPL variants 853
Measurement of mRNA by, with a nonradioactive label 609
Polyprenols: Separation by TLC 1857
Polyunsaturated fatty acids: n-3, induction of changes in plasma cholesterol by 263
Population screening 689
Post-translational processing: Of LPL 1777
Postheparin plasma lipase: During oral fat tolerance test 975
Postprandial lipemia: Study of the metabolism of retinyl ester in plasma lipoproteins during 1541
Pravastatin 1569
Prenylation: Biological role of 1731
Pristanic acid: In plasma from patients with peroxisomal disorders 41
Probucol: And lipid-soluble antioxidants, simultaneous measurement of 131
Prostaglandin: Suppression of VLDL secretion by, in primary rat hepatocyte cultures 1017
Protein prenylation: Biochemistry of 1731
Protein prenyltransferases 957
Protein structures: In the permeability barrier of mammalian epidermis 301
Proteoglycans, heparin, soluble: Induction of LDL uptake by macrophages, by 65
Proton magnetic resonance: Study of aggregation of taurine-conjugated bile salts by 21
Psyllium hydrophilic mucilloid: Effects of, on LDL cholesterol and bile acid synthesis in hypercholesterolemic men 1183
PUFA: *see* **Polyunsaturated fatty acids**

R

Radial immunodiffusion: Silver-enhanced, assay of plasma apolipoproteins by 1073
Rainbow trout: Expression of apoA-I gene in liver and hepatocellular carcinoma 251
Receptor: LDL, hamster, structure of gene 549
Receptor, scavenger: Recognition of oxidized Lp[a] isoforms by, in rats 1315
Refsum's disease
Concentration of phytanic, pristanic, and 2-hydroxyphytanic acids in plasma 1449
Fatty acid β-oxidation by skin fibroblast suspensions in 1597
Regulation
Coordinate, of hepatic mRNA for HMG-CoA reductase and LDL receptor 493
Of apoA-I gene expression 831
Of cholesterol efflux 1091
Of cholesterol 7α-hydroxylase 659
Of hepatic removal of chylomicron remnants and β-VLDL in the rat 419
Of hepatic secretion of VLDL by dietary cholesterol 179
Of HMG-CoA reductase gene expression 711
Of LCAT gene expression by fibrates 727
Residence time: Of apoA-I in patients with reduced apoA-I concentrations 1527
Restriction endonuclease digestion: Detection of DNA polymorphism in the human LPL gene by 1067
Retina: Rat, transport of n-3 fatty acids to, from the intestine 539
Retinoids: Effect of nuclear retinoic acid receptors mRNA in adipose tissue in retinol deficiency 381
Retinol deficiency: Effect of retinoids on nuclear retinoic acid receptors mRNA in adipose tissue 381
Retinyl esters: In lipoproteins, study of the metabolism of, during postprandial lipemia 1541
Retinyl palmitate: Use of in characterizing chylomicron remnant clearance in humans 915
Reverse cholesterol transport: Dependence on levels of cellular unesterified cholesterol 1699
Review article
Amphipathic helix in the exchangeable apolipoproteins: a review of secondary structure and function 141
Bile acid solubility and precipitation in vitro and in vivo 617
Biochemistry of protein prenylation 1731

Intracellular cholesterol transport 1239
Lipid and protein structures in the permeability barrier of mammalian epidermis 301
Mechanism of degradation of steroid side-chain in formation of bile acids 455
Modulation of plasma triglyceride levels by apoE phenotype, a meta-analysis 447
Saposins: structure, function, distribution, and molecular genetics 1255
Structure and evolution of the lipase superfamily 167
Tracking cell cholesterol with cholesterol oxidase 315
Rhizomelic chondrodysplasia punctata
Concentration of phytanic, pristanic, and 2-hydroxyphytanic acids in plasma 1449
Fatty acid β-oxidation by skin fibroblast suspensions in 1597
RID: *see* **Radial immunodiffusion**
mRNA
ApoB, developmental and hormonal modulation of 1843
ApoB, editing in rat liver 1843
ApoB, editing of in mice, developmental and age-related changes 1753
Apolipoprotein levels, in liver and intestine of uremic rats 1441
Fatty acid synthase and adipsin, in JCR:LA-cp rats, effect of diet on 31
Hamster LDL receptor, structure of 549
Hepatic apoA-I, apoB, apoE, and LDL receptor, effects of dietary fat and cholesterol on 351
Hepatic cholesterol 7α-hydroxylase, relationship with LDL receptor and HMG-CoA reductase mRNA 493
Hepatic, for HMG-CoA reductase and LDL receptor, coordinate regulation in vivo 493
HMG-CoA reductase, regulation of expression of 1157
HMG-CoA synthase, regulation of expression of 1157
LDL receptor in HepG2 cells, regulation of 1147
LDL receptor, in HepG2 cells 647
LDL receptor, regulation of expression of 1157
Levels of hepatic HMG-CoA reductase and 7α-hydroxylase, effect of cholesterol and taurocholate on 1193
Levels of HMG-CoA reductase, LDL receptor, and apoE, in epidermis of hairless mice 1307
Measurement of, by quantitative PCR with a nonradioactive label 609
Of nuclear retinoic acid receptors in adipose tissue, effect of retinol deficiency on 381

S

Saposins: Structure, function, distribution, and molecular genetics 1255
Saturated fatty acids
Dietary, differential effects of, on LDL metabolism in the guinea pig 1833
Dietary, effect of, on serum Lp[a] and LDL levels 1493
Senescence accelerated mouse: Use of, in study of developmental and age-related apoB mRNA editing 1753
Serum lipids: Rapid separation by a single aminopropyl column 1871
Sex differences: And LDL subclasses 765
Sialic acid content
Of human LDL, effect of on intracellular lipid accumulation 805
Of human LDL, effect of, on interaction with cell receptors 805
Side-chain of sterols: Chemical oxidation of 579
Simvastatin 1569
Sitosterolemia 945
Skin: Permeability barrier of the mammalian epidermis 301
Smokers: Kinetic parameters of apoA-I in 1527
Special Article: Discovery and development of HMG-CoA reductase inhibitors 1569
Sphingolipid activator protein 1255
Sphingolipid hydrolases 1255
Sphingolipidosis 1255
Sphingomyelin
Cellular processing of 1741
Modulatory role of, in cellular cholesterol homeostasis 1741
Sphingomyelinase: Treatment of LDL and cultured cells with 1741
Squalene synthase: Inhibition by bisphosphonates 1657
Stable isotope dilution analysis: Quantitation of plasma pristanic and phytanic acids by 41
Stearic acid: Effects of on serum lipids and lipoproteins in humans 399
Steroid side-chain: Mechanism of degradation of, in formation of bile acids 455
Steroidogenic cells: Cholesterol trafficking in 1239
Sterol: And bile acid solubilization in 2-hydroxypropyl-β-cyclodextrin 441
Sterol carrier protein 2 1239
Sterol regulation: Of HMG-CoA reductase and synthase mRNA in 1157
Sterol synthesis: Inhibitors of 579, 1503
Sulfate esters of galactosyl glycerides: In gadoid fish nerve tissues 1351
Sulfotransferase, glycolipid
Activity toward galactosylceramide containing ω-amino fatty acids 1227
Affinity chromatography of 1227
Symbiotic bivalves: Deep hydrothermal vent, fatty acid composition in 1797

T

T lymphocytes: Sterol regulation of HMG-CoA reductase and synthase mRNA in 1157
Taurine-conjugated bile salts: Aggregation of, studied by PMR 21
Taurocholate
Effect of, on HMG-CoA reductase and 7α-hydroxylase activities and mRNA 1193
Regulation of cholesterol 7α-hydroxylase by 659
TBP: *see* **Tocopherol-binding protein**
TG: *see* **Triglyceride**
Thrombin cleavage: Of rabbit apoB_h 889
Thyroid hormone
Effect of, on bile acid synthesis 1467
Effect of, on biliary sterol secretion in the rat 1459, 1467
Regulation of gene expression of adipose tissue LPL by, in rats 241
Tissue lipids: Incorporation of eicosapentaenoic and arachidonic acids into 1295
TLC: *see* **Chromatography, thin-layer**
α-Tocopherol: Dietary supplementation with, effect of on oxidative modification of LDL 899
Tocopherols: Absorption and secretion in chylomicrons 1171
Tocopherol discrimination: Proposed mechanism for 1171
Tocopherol-binding protein: In rat liver cytosol 343
Transepidermal water loss 1307
Transfected mouse mammary-derived cells: Expression of human apoE in, associated with lipid secretion 791

Transgenic mice: Expressing human apoA-I, trypanolytic activity in serum of 1639
Transport: Of n-3 fatty acids from the intestine to the retina, in the rat 539
Triacylglycerol: Effects on LDL receptor activity in hamsters 77
Triacylglycerol synthesis: By cultured rat hepatocytes, effect of prostaglandin 1017
Triglyceride
Accumulation and mobilization in Leydig tumor cells 1139
Plasma, modulation of levels by apoE phenotype, a meta-analysis 447
Triglyceride clearance: Inhibition by high doses of endotoxin 1765
Triglyceride production: Hepatic, stimulation by low doses of endotoxin 1765
Triglyceride secretion: By CaCo-2 cells 9
Triglyceride-lowering: By an HMG-CoA reductase inhibitor 1
Triglyceride-rich lipoproteins
Enriched with apoE, isolation from plasma with a monoclonal antibody to apoB-100 369
Measurement of apoB-100 and apoB-48 kinetics in 907
Truncated apolipoprotein B variant 699
Trypanolytic activity: In serum of transgenic mice expressing human apoA-I 1639
Trypanosoma brucei
In vitro cytolytic effects of HDL and apoA-I on 513
Lack of resistance to infection by, in transgenic mice expressing human apoA-I 1639

U

UDP-galactose:globotriaosylceramide α-galactosyl transferase: Activity in rat pheochromocytoma cells 411
Unconjugated bilirubin: Ionization and self-association of 1123
Unsaturated fatty acids: Regulation of LDL receptor activity and production rate by, in hamsters 77
Uremia, experimental: Increased concentration of serum apoA-IV in 1441
Ursodeoxycholic acid: Aqueous solubility and acidity constants of 49

V

Verapamil: Effect of on triacylglycerol synthesis by cultured rat hepatocytes 1017
Very low density lipoprotein
Cholesterol, precursor pool in rat liver 1665
In a kindred with hypobetalipoproteinemia, apoB-61 in 699
Lipolysis by LPL 995
Preferential enrichment of RRR-α-tocopherol in 1171
Regulation of hepatic secretion by dietary cholesterol 179
Secretion in primary rat hepatocyte cultures 1017
Secretion in the hamster, decrease by inhibition of fatty acid synthesis 843
Secretion in the Zucker obese rat, reduction of rate of by lovastatin 1
Secretion, suppression by prostaglandin in rat hepatocyte cultures 1017
β-Very low density lipoprotein
Effect of, on the extension of neurites by rabbit dorsal root ganglion neurons in vitro 1677
Regulation of hepatic removal in the rat 419
Very low density lipoproteins, remnant-like: Isolation and quantitation in human plasma 369
Vitamin A: As a marker of intestinal lipoproteins during postprandial lipemia 1541
Vitamin E
Effect of dietary α-tocopherol on oxidative modification of LDL 899
Forms of, discrimination by human subjects 1171
Recycling in human LDL 385
Role of in protecting β-carotene against oxidation in LDL 385
TBP in rat liver cytosol 343
Vitellogenins: Amino acid sequence 777
VLDL: *see* **Very low density lipoprotein**

X

X-linked adrenoleukodystrophy: Fatty acid β-oxidation by skin fibroblast suspensions in 1597

Z

Zellweger syndrome
Accumulation of trihydroxycoprostanoic acid in 455
Concentration of phytanic, pristanic, and 2-hydroxyphytanic acids in plasma 1449
Fatty acid β-oxidation by skin fibroblast suspensions in 1597
Zucker obese rat: Triglyceride-lowering in, by an HMG-CoA reductase inhibitor 1